### F-L ENERGY CORPORATION

1943 East 1700 South Salt Lake City, Utah 84108 (801) 581-1071

BOARD OF DIRECTORS

PAUL\*PULLMAN President

LYNN KANO Secretary Treasurer

PATRICK L. DRISCOLL Petroleum Engineer

> Mr. Edgar W. Guynn, Dist. Supt. U.S. Geological Service 2000 Administration Building

1745 West 1700 South

Salt Lake City, Utah 84104

Dear Mr. Guynn;

Date: May 16, 1981

Re: Pre-staking application
F-L Energy Corporation
Hawthorn-Federal #1-34
Section 34, T20S R7E SLBM
U-20764

EMERY Co.

In accordance with NTL-6, Part A, Section 2, the F-L Energy Corporation requests an onsite inspection on the above well-site. This inspection will preclude any site work or road work and will be done prior to the actual site surveying.

A multi-use map is enclosed indicating the approximate location.

Very Truly yours

Paul Pullman

President

MAY 1 9 1981

DIVISION OF OIL, GAS & MINING

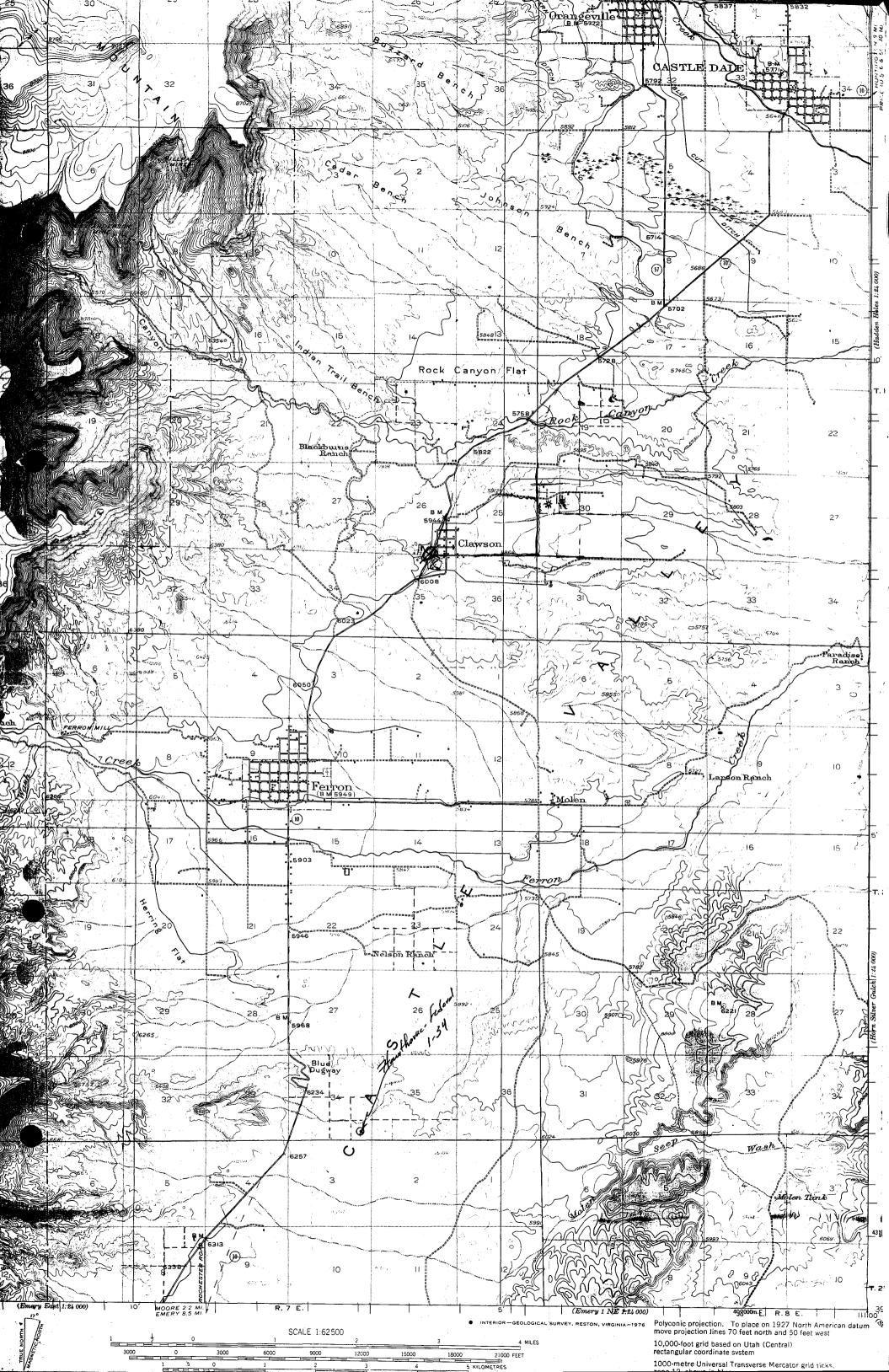
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Form 9-331 Dec. 1973	Form Approved. Budget Bureau No. 42-R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	U-20764
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	
reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas X other	Hawthorne-Federal
well Well W other	9. WELL NO.
2. NAME OF OPERATOR	#1-34
F-L Energy	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Unnamed
1943 East 1700 South, S.L.C., Utah 84108 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA Section 34
below.)	Township 20 South, Range 7 Eas
AT SURFACE: FSL 660, FEL 660 (SE <sup>1</sup> 4 SE <sup>1</sup> 4)  AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH: As above	Emery Utah
	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
REPORT, ON OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	Approx. 6,100 Ground Level
TEST WATER SHUT-OFF	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
(other) X Pre-Staking Inspection	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is different measured and true vertical depths for all markers and zones pertiner. Proposed to drill a well to test the Ferroquately. Anticipated that this well will 1500 feet or approximately 100 feet into Air will be used as the circulating medium used.	irectionally drilled, give subsurface locations and it to this work.)*  on Formation at this site adebe drilled to a total depth of the top of the Tununk Formation.  m, and a series 600 BOP will be
	MAY 1 9 1981
	OIL, GAS & MINING
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
SIGNED Jar Sull TITLE President	DATE <u>May 12, 1981</u>

(This space for Federal or State office use)

\_ DATE \_

\_ TITLE \_



APPROVED BY \_

CONDITIONS OF APPROVAL, IF ANY:

### SUBMIT IN TRIPLI

Form approved. Budget Bureau No. 42-R1425.

surf.

#### (Other instructions on reverse side) **UNITED STATES**

		NT OF THE INTER	RIOR		5. LEASE DESIGNATION AND SERIAL NO	<b>).</b>
A DDI IC A TI					U-20764	
	ON FOR PERMII	TO DRILL, DEEPE	N, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAM	E
1a. TYPE OF WORK  b. TYPE OF WELL	ORILL 🖺	DEEPEN	PLUG BA	CK 🗆	7. UNIT AGREEMENT NAME	
OIL X	GAS X OTHER		NGLE X MULTI	PLE	S. FARM OR LEASE NAME	
2. NAME OF OPERATOR			NI ZONE		Hawtho ne Federal	
		Corporation (o	-,		9. WELL NO.	
3. ADDRESS OF OPERAT	1700 South	Salt Lake City	·-	4.	#1-34 10. FIRLD AND POOL, OR WILDCAT	
4. LOCATION OF WELL At surface	٠ .	nd in accordance with any S			Ferron Area	
		tion 34 (660 ftF	SL, 690 ft FE	ريا (يا	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	· · · · · · · · · · · · · · · · · · ·
At proposed prod.	As Above	•	,		Sec. 34 T20S R7E	SLBM
14. DISTANCE IN MILI		EAREST TOWN OR POST OFFICE	<b>;*</b>		12. COUNTY OR PARISH   13. STATE	
ጥከተ	ee and one-half	South of Ferro	n. IItah		Emery Utah	
15. DISTANCE FROM PE LOCATION TO NEAR	ROPOSED*		. OF ACRES IN LEASE		OF ACRES ASSIGNED	<del></del>
PROPERTY OR LEAS		660 fest			HIS WELL	
18. DISTANCE FROM P			OPOSED DEPTH		RY OR CABLE TOOLS	
OR APPLIED FOR, ON	THIS LEASE, FT. Well	on lease	<b>1</b> 500 Feet	Ro	otary	
21. ELEVATIONS (Show	whether DF, RT, GR, etc.)	,			22. APPROX. DATE WORK WILL STAR	<u>r</u> *
23.	6150				July 15, 1981	
		PROPOSED CASING AND	CEMENTING PROGR	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT	<del></del>
8 3/4	7 5/8	20 lb	<b>.2</b> 66	Cmen	t will be circulated	to sw
6 3/4	<u> 4호</u>	9.5 lb	1500	250	Sacks	
						7
	drilling thre Tununk Shale or drill-ster Compensated 1	ough the Ferron a Air will be use n testing is plan	and approximated as the circumstance. The logarithm of the logarithm.	tely 10 culatin s will	erron Formation by O feet into the ng media. No coring be a Gamma Ray-Calipe Federal and State	r,
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preventer program, if	any.	nally, give pertinent data or	n subsurface locations a	nd measure	d and true vertical depths. Give blow	out —
SIGNED Paul	and bull	TITLE	President		DATE 6-22-81	
(This space for F	ederal or State office use)		APPROVAL DATE			

DATE\_

United States Department of the Interior Geological Survey Oil and Gas Operations 2000 Administration Building 1745 West 1700 South Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICAT	IUN	
Operator/Project Na	ME F-L ENERGY CORPORATION	
Project Type Oll o	R GAS WELL	
Project Location <u>5</u> 6	0'FSL, 690'FEL SEC 34 T.20 S	. R. 7E.
Date Project Submit	ted 6/25/8/	
FIELD INSPECTION	Date 7-20-81	
Field Inspection Participants	GEORGE DIWACHAK	USGS
	MERVIN MILES, LAURELLE HUGHES	BLM
	PATRICK DRISCOLL F	-L ENERGY
	Lynn CAIN F.	-L ENERGY
	PAUL PULLMAN F.	-L Erergy
	CARL HUNT HO	INT'S SERVICE
	•	

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

I concur

'JUL 28 1981 Date

District Supervisor

#### CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

	Criteria 516 DM 2.3.A	Feder Corre- spondence (date)	al/State Ag Phone check (date)	Meeting (date)	Local and private corre-spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
1.	Public health and safety	1 (7-27-81)					2	6	6 (7-20-81)	4,8
2.	onique charac- teristics	1	V				2	6	6	4,8
3.	Environmentally controversial	1	•					6	6	4,8
4.	Uncertain and unknown risks						2	6	6	
5.	Establishes precedents							6	6	4,8
	Cumulatively significant				·			6	6	4
7.	ional Register	1							·	4
8.	Endangered/ threatened species	1					·			
9.	Violate Federal, State, local, tribal law	·						6	6	4,8

PLEASE REFER TO ATTATCHED LEGEND

#### CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

- 1. Surface Management Agency Input (DATED 7-27-81)
- 2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
- 3. Lease Stipulations/Terms
- 4. Application Permit to Drill
- 5. Operator Correspondence
- 6. Field Observation INCLUDING FIELD NOTES ONSITE DATE 7-20-81

E

- 7. Private Rehabilitation Agreement
- 8. RECOMMENDED STIPULATIONS:



F-L ENERGY HAWTHORN 1-34



F-L ENERGY HAWTHORN 1-34

1

### RECOMMENDED STIPULATIONS

- 1. SEE BLM STIPULATIONS
- 2. THE LOCATION WILL BE MOVED 100 FT SOUTH
- 3 THE DRILL PAD WILL BE ROTATED 450 EAST CHERWISE TO PLACE THE RESERVE/BloosE Pit DOWNWIND OF RIG.
  - 4 A MAXIMUM SURFACE DISTURBANCE OF 250 FEET BY 300 FEET WILL BE AUTHORIZED FOR PAD CONSTRUCTION; SURFACE DISTURBING ACTIVITIES SHOULD BE LIMITED TO THE 150 FT BY 100 FT PAD AND 20 FT BY 75 FT Bloole Pit As DISCUSSED AT THE 7/20/81 PREDRILL INSPECTION. THE EXTRA SPACE IS APPROVED AND MAY BE USED IF NECESSARY
  - 5 THE RESERVE PIT MUST BE TERRACED BELOW THE LOCATION SO THAT AT LEAST 6 FEET OF DEPTH IS IN CUT MATERIAL
  - 6 THE RESERVE PIT WILL BE FETUCED ON 3 SIDES DURING DRILLING, WITH THE FOURTH SIDE FENCED ONCE THE RIG MOVES OFF LOCATION. FENCES SHALL REMAIN STANDING UNTIL RESTORATION COMMENCES
    - 7. A BLM RIGHT-OF-WAY WILL BE NECESSARY PRIOR TO ROAD USE OR CONSTRUCTION.



### United States Department of the Interior

IN REPLY REFER TO

3100 U-20764 (U-067)

BUREAU OF LAND MANAGEMENT
Moab District
San Rafael Resource Area
P. O. Drawer AB
Price, Utah 84501

July 27, 1981

To:

District Engineer, USGS

From:

Acting Area Manager, San Rafael

Subject:

Additional Surface Management Requirements for

APD's F L Energy Corp. Well No. 1-34 Sec. 34, T. 20 S., R. 7 E., SLB&M

Following the onsite inspection held July 20, we would like to have the following stipulations made part of the approved permit to drill:

- 1. The BLM San Rafael Resource Area will be notified 48 hours before beginning any construction (phone 801-637-4584; 748-2249 after hours).
- 2. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS/USFS oil and gas brochure entitled "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of topsoil, rehabilitation, etc.
- 3. Topsoil 4 inches deep will be wind-sowed around the east edge of the location. Drill pad will be constructed with a slight slope toward reserve pit. When drilling is completed land will be returned to as near original contour as possible before topsoil is respread.
- 4. Seeding will take place about October 20 and before March 1. Seeding method will be by drilling and borrowing, and will be repeated until vegetation is successfully established. The following seed mixture will be used:

Grass	Rate
Indian ricegrass	3 lbs per acre
Crested wheatgrass	3 lbs per acre
Legumes	
Castle Valley clover	3 lbs per acre (if available)
Yellow clover	3 lbs per acre

- The road will be a single lane road not to exceed 20 feet total disturbed area, with a 16 foot travel surface. All vehicle travel will be confined to existing roads. Off road travel is prohibited.
- Trash will be contained in a wire cage or drum and hauled to an approved disposal site.

A chemical toilet will be provided at the drill site. Pit toilets will not be allowed.

be TERRACED BELOW The reserve pit will be 20 feet wide, 75 feet long and 6 feet deep in cut material.

- All personnel movement and construction will be confined to the location and to the access road leading into the location.
- Should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area, the BLM will be notified immediately.
- 11. If the well is a dry hole but water is found, the BLM will be advised as to the depth of the water found.
- 12. Adequate volumes of cement will be used in cementing surface casing to insure circulation to surface.

13. Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Dakota formation, and the Potash zones in the Paradox formation. cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal and patash resources. The Potash zones will be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Surface casing program may require adjustment for protection of fresh water aquifers.

No threatened or endangered plant or animal species are known to inhabit the area.

An archaeological evaluation was done by Floyd Pierson for F L Energy Corp. We have not received the report as yet but the archaeologist verbally advised us that no cultural resources were observed or recorded in the field and no national register status sites will be affected by the drilling program.

The drilling area is no longer subject to the Wilderness Interim Management Guidelines.

David / Mr

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVI	SION
FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH	,
TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO.	420764
OPERATOR: F-L Energy WELL NO.	
LOCATION: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Eoney County, Wal	
1. Stratigraphy: Moncos Shale - sur Face	
Ferron SS ~ 800'	**************************************
Tununk Skale ~1200	0-0-1
(operator tops or e too	ceap ()
2. Fresh Water: Small amounts probable in V-erron	<b>ζ</b> (
3. Leasable Minerals:  POSSI ble coal ~ Forron SS	
	Section 1
4. Additional Logs Needed: alequal	
	en e
5. Potential Geologic Hazards: none probable	
V	

Signature:

6. References and Remarks;

Date: 7 - 27 - 17

- 1) The surface material is weathered Mancos Shale mixed with fine-grained aeolian silt-stone. Some of the cliff exposures include the Upper Ferron Sandstone.
- 2) The estimated tops of important and recognizable cologic markers are:

  Mancos Shale

  Lower Ferron

  1 000 ft.

  Tununk Shale

  1,400 ft.
- 3) The estimated depths at which important water oil and gas is expected to be encountered are:

Lower Ferron Sand 1,000 ft. Gas and/or Oil There are no water sands expected to be encountered while drilling this well.

- The casing program as previously indicated will consist of 100 feet of 7 5/8 inch, 20 lb/ft surface casing and 1500 feet of  $4\frac{1}{2}$ , 9.5 lb/ft production casing. The surface casing will be set and cement will be circulated to surface. Yhe  $4\frac{1}{2}$  production string will be cemented with 250 sacks of cement. This is a calculated 25% excess amount of cement necessary to cement the entire string to surface.
- 5) The schematic diagram of the B.O.P. is attached. The 3000 psig working configuration will be used. Also, dependent upon the height from ground level to the return flow, a hydril or equivalent type of B.O.P. will be utilized as the top piece of the B.O.P. stack.
- 6) It is planned to drill this well using air as the circulating medium.

  The only water anticipated to be used will be that employed in cementing the casing.
- 7) The auxilliary equipment to be used will be that applicable to prudent air drilling practices. The blooie line will be terminated at a minimum distance of 150 feet from the rig. A relatively small blooie pit will be utilized.
- 8) It is planned to utilize open-hole logs in this well. They will consist of a gamma ray, compensated neutron formation density log, as well as a compensated sonic log and fracture detection log.
- 9) It is not anticipated that any H<sub>2</sub>S, abnormal pressures or high temperatures will be encountered in drilling this well.
- 10) It is expected to commence operations immediately upon permit approval. The estimated time to drill this well will be five (5) days.

#### 1. Surface Casing

- A. Hole size for the surface casing will be 10 3/4"
- B. Setting depth for the surface casing will be approximately 100'
- C. Casing specifications are 7 5/8" o.d; H-40, 20 lb/ft 8rd thread, Condition "A".
- D. Anticipated pressure at setting depth is approximately 40 psig.
- E. Casing will be run and cement will continue to be mixed until returns are evident at surface.
- F. Top of the surface casing will be at ground level.

#### 2. Casing Head

A. The flange size will be 6" series 300 new, equipped with 2 inch ports with nipples and 2" 1,000 lb. working pressure valves. Casing head and valves will be set above ground.

#### 3. Intermediate casing

A. None

#### 4. Blowout Preventers

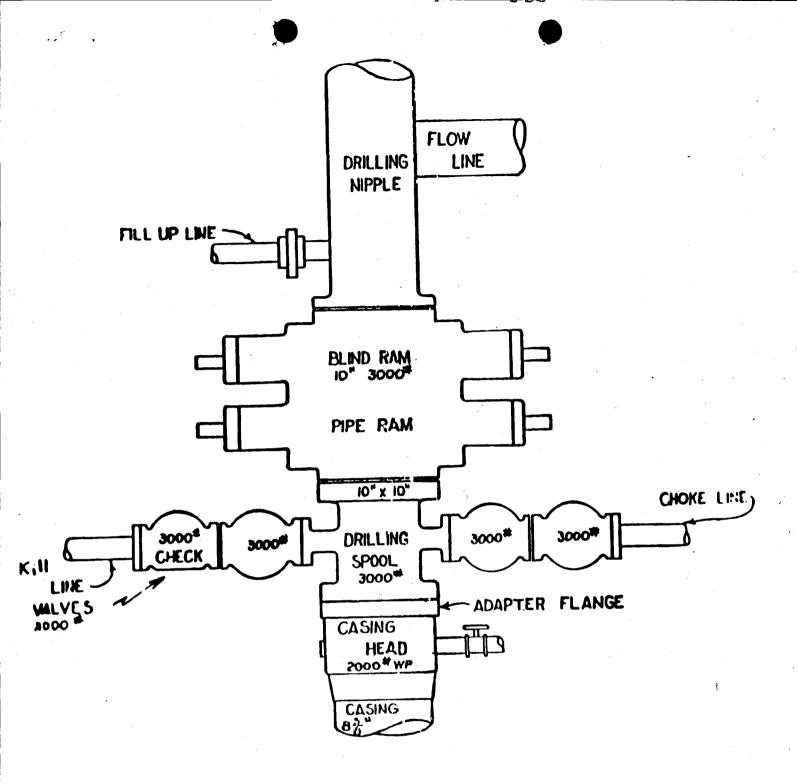
A. Double Rams, hydraullically operated, one set of pipe rams for 2 7/8" drill pipe, and one set of blind rams. They will be equipped with a mechanical closing device for back-up service. A Hydril or similiar type is planned to be used as the top piece of the B.O.P. stack.

#### 5. Auxilliary Equipment

A. All that is standard for safe and prudent air drilling operations.

#### 6. Anticipated Pressures

A. The anticipated pressure that is expected to be encountered will be approximately 350 psig.



F-L Energy Corp.
BLOWOUT PREVENTER DIAGRAM

#### OPERATIONS AND SURFACE USE PLAN

#### 1. Well Location and Existing Roads:

The attached plat (figure 1) shows the location of the proposed well site. Figure 2 shows the access route from State Highway 10 to the well site. The well site is approximately  $3\frac{1}{2}$  miles south of Ferron, Utah along State Highway 10, thence 1 mile due East. A request will be made of the State Highway Department for an excess way off the State Road.

#### 2. Planned Acess Road:

As indicated in the above statement, the acess road will originate on State Highway 10 and will proceed eastward for a distance of one mile. The acess road will originate on Mancos Shale and will be very lightly graded during the drilling of this well. If the well is productive, the road will be contoured, sloped and ditched. If in the event a dry hole is occured, water bars will be made and the road restored to, as closely as possible, original conditions.

#### 6. Location of Existing Wells:

Figure three (3) indicates wells in the immediate area. It is believed that the indicated wells are no longer productive. There are no other known wells, either productive, abandoned or dry than is shown on the attached plat.

#### 4. Location fo Production Equipment:

There are two diagrams attached. One indicates the location of production equipment in the event the well is oil productive. The second diagram indicates production equipment for a gas well. All lines will be coated and wrapped and buried. The land usage for this equipment will be held to an absolute minimum. After operations cease, and provided surface disturbances have occured, the surface will be leveled and sloped to pre-existing conditions. Recommendations for reseeding as given by the B.L.M., will be followed.

#### 5. Water Supply:

It is anticipated that water usage will be extremely minimal. The water so used will be obtained from Ferron Creek from the water rights of one of the ranches in the immediate area. There are no present plans for using calific water except for a 3% KCl solution that will be used during completion operations.

#### 6. Road Material:

#### 6. (Continued)

is presently in place to build the road and drilling pad. The loose weathered shale shall be pushed aside and saved. Redistribution of this material will occur on the drilling site immediately following cessation of completion operations. Reuse of this weathered shale shall be done as requested by the jurisdictional B.L.M. office.

#### 7. Waste Disposal:

A small reserve pit (12 x 20) will be used as a blooie line collection pit as well as a collection pit for the small amount of excess water that is to be used. This pit will be folded in and recontured as soon as possible following completion of operations. This area will be reseeded. A covered trash cage will be made and this trash will be picked up and hauled away.

#### 8. Camp Facilities and Airstrip:

One motor home (self-contained) and one dog-house will be used on location. No additional ground or facilities will be used for this equipment. There are no plans for an airstrip. For emergency facilities the Carbon County Airport will be used.

#### 9. Well Site Layout:

The plan for the layout of the drilling equipment is indicated in Figure 7. There may be slight additions and/or deletions that may occur if the drilling contractor decides to add or delete from his present facilities. As this location is relatively flat, a minimum amount of cut and/or fill will be needed. As previously noted, two diagrams indicating the production layout are attached.

#### 10. Restoration:

After drilling operations have been concluded and equipment removed, the well site areas will be cleaned, leveled, and reseeded and restored to normal. The pits will be covered and all trash will be removed. Reseeding will be done at the direction of the B.L.M.. The F-L Energy Company has on record a \$50,000 Statewide Federal Bond.

#### 11) Land Description:

Note part no. 1 above. The area is fairly flat, but is also

#### OPERATIONS AND SURFACE USE PLAN

#### 11. (Continued)

in near proximity to several rolling hills to the South. The Wasatch Plateau is to the West and the San Rafael Swell lies to the East.

#### 12. Representation:

The F-L Energy Company is the designated Operator of the lease. The Operators supervisor will be Patrick L. Driscoll P.E.: 1933 East Tartan Ave., Salt Lake City Utah. The phone number is 582-7247

#### 13. Certification:

I hereby certify that I or persons under my direct Supervision, have inspected the proposed drill-site and proposed acess road; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by the F-L Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

6-22-81

Date

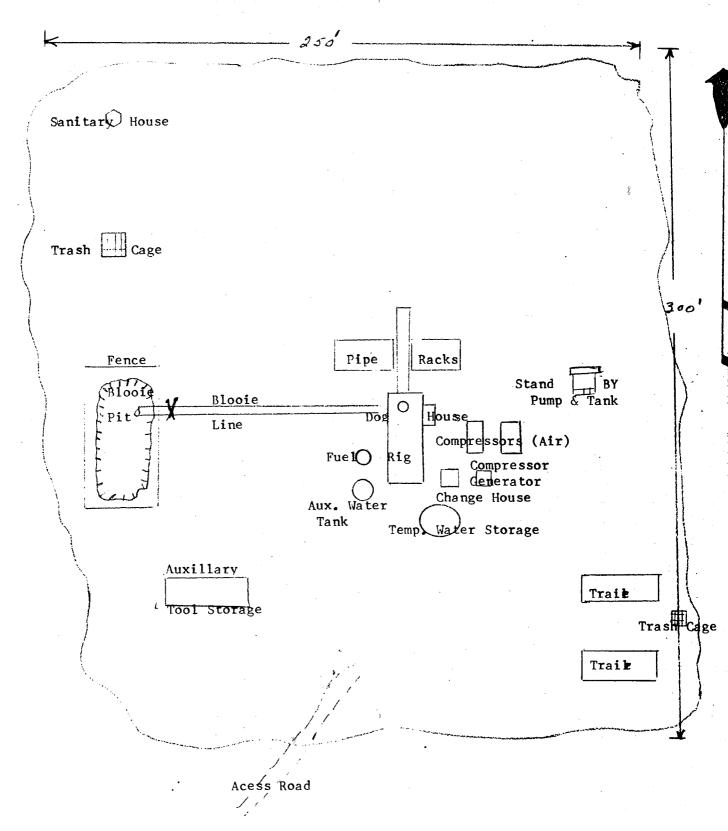
Paul Pullman

President

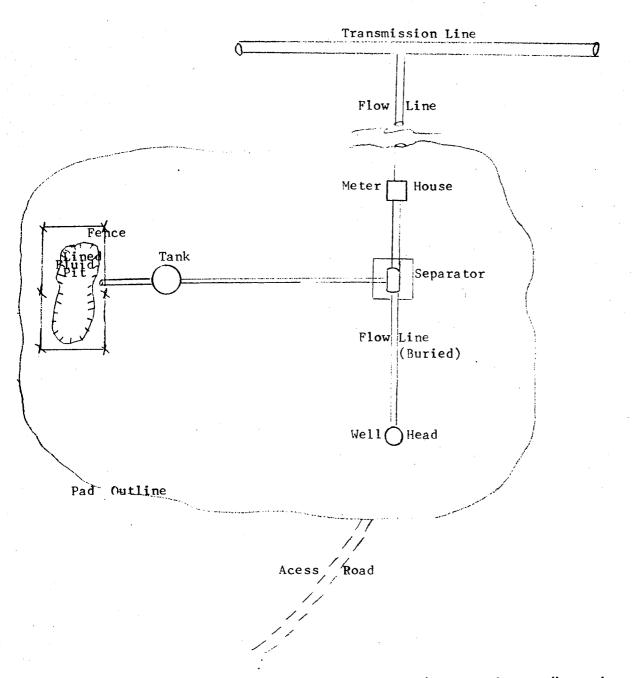
Schematic

Diagram

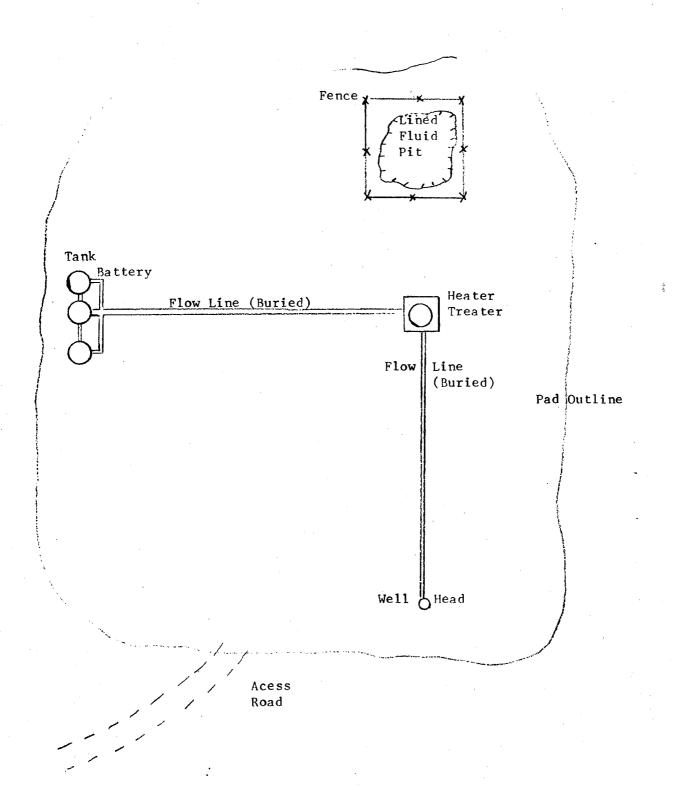
Drilling Rig Layout

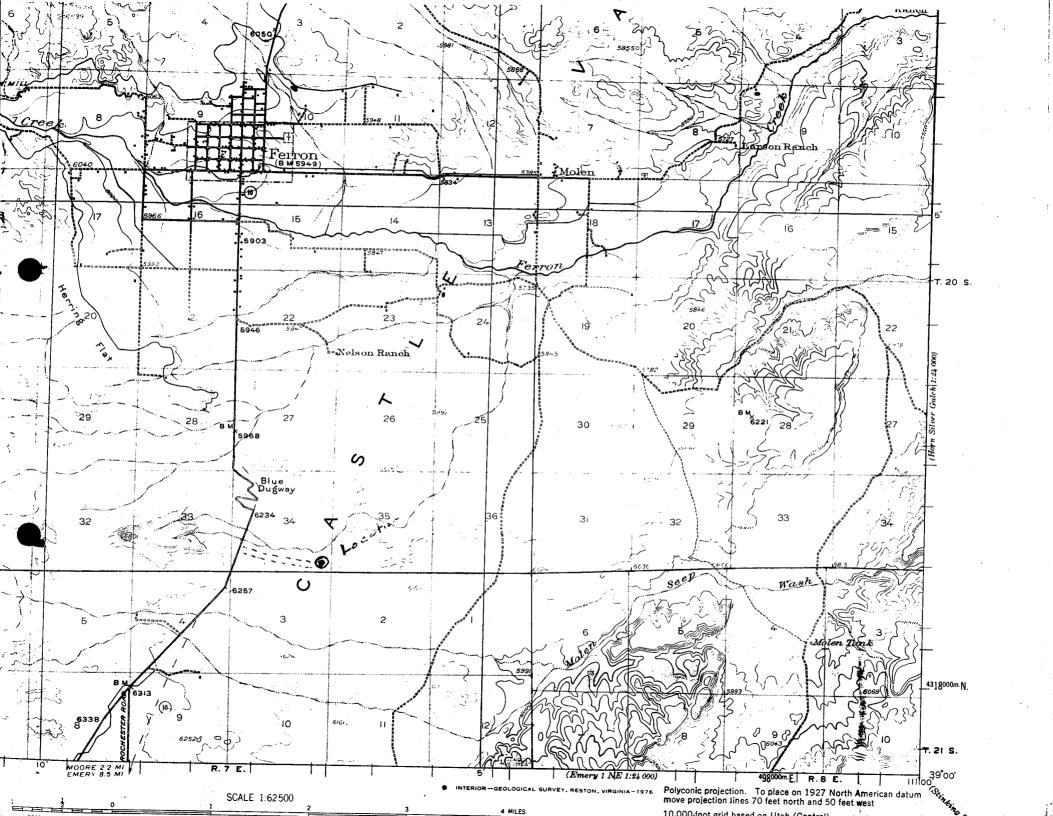


Scale 1" = 50'
(approximate)



Approximate Scale: 1" = 50°





#### F-L ENERGY COMPANY

### Well Location Plat Emery County

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Island Township Plat	Township Ly over.	Salt Lake Base Merid		State
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DATE: <u>June 29,198/</u>
OPERATOR: 7-2 Energy Good. Co.
WELL NO: Hawthome Jul. #1-34
Location: Sec. 34 T. 205 R. 78 County: Emery
File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:
API Number 43-657-30084'
CHECKED BY:
Petroleum Engineer:
Director: Ol as fer ohn in lase \$ ?
Administrative Aide: as per Order Below, ok on boundries, ob on any other oil or gets wells.
- wells.
APPROVAL LETTER:
Bond Required: / Survey Plat Required: / /
Order No. #7 12-13-57 O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site
Lease Designation [Jed] Plotted on Map[
Approval Letter Written
Hot Line P.I.

Form approved.

		ED STATE		uctions on side)	Budget Bui	reau No. 42-R1425.	
	DEPARTMENT	100		รก	5. LEASE DESIGNATI	ION AND SERIAL NO.	
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APPLICATIO	ON FOR PERMIT 1	O DRILL,	DEEPEN, OR PHIG	BACK	6. IF INDIAN, ALLOT	TEE OR TRIBE NAME	
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DI b. TYPE OF WELL	RILL 🔼	DEEPEN	DIVISION PLUG BA	VCK 🗀 🗆	7. UNIT AGREEMENT	r Name	
oir 🔀	GAS X OTHER	40 41 160	DIVISION OF MINTERS	IPLE [	8. FARM OR LEASE		
2. NAME OF OPERATOR	WELL OTHER		OIL GAS MINING			Federal	
	F-L Energy C	orporation	•	1. 1	9. WELL NO.		
3. ADDRESS OF OPERATOR	B .	Ī.		<del></del>	#1-34		
1943 East			City Utah 84108	. f . d	10. FIELD AND POOL	, OR WILDCAT	
At surrace		Ğ:	th any State requirements.*)		Ferron Ar	f # E	•
		on 34 (66	ftFSL, 690 ft FE	L)	11. SEC., T., R., M., ( AND SURVEY OR	OR BLK.	
At proposed prod. zo	As Above	360	y·		Se <b>c.</b> 34		LBM
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFICE*		12. COUNTY OR PARI	110	
	e and one-half	f	*	:	Emery	Utah	
15. DISTANCE FROM PROD LOCATION TO NEARE	POSED*		16. NO. OF ACRES IN LEASE	17. NO.	OF ACRES ASSIGNED		
PROPERTY OR LEASE (Also to nearest dr	LINE, FT. lg. unit line, if any)	60 feet	·	TOT	HIS WELL		
18. DISTANCE FROM PRO TO NEAREST WELL,	POSED LOCATION* NO O	other	19. PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS		
OR APPLIED FOR, ON T	HIS LEASE, FT. Well o	n lease	1500 Feet	Ro	tary		•
ZI. ELEVATIONS (Show w	hether DF, RT, GR, etc.)	£				WORK WILL START	
<u>23.</u> 6]	150			:	July 15, 1	L901	
	P	ROPOSED CASI	NG AND CEMENTING PROGR	RAM.			
SIZE OF HOLE	size of casing	WEIGHT PER P	OOT SETTING DEPTH		QUANTITY OF CE	MENT	
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IN ARAVE SDACE ARGONIN	** PPAPAGEN PRAGRESS ** -				भू भू भू		
work. It broboses to co	arm or deepen arrectionar	roposal is to deep ly give pertinen	pen or plug back, give data on p t data on subsurface locations a	present prod and measure	uctive zone and proper I and true vertical de-	sed new productive oths. Give blowout	
24	ny.	<u>.</u>			***************************************	- January Carlo	
Paul P	u iman	* · · · · · · · · · · · · · · · · · · ·		1		- <del></del>	
SIGNED	and sulla	TI	President	•		. 2-81 . 5 .	

(This space for Federal or State office use)

PERMIT NO.

TITLE FOR

CONDITIONS OF APPROVAL, IF ANY:

E. W. GUYNN DISTRICT ENGINEER

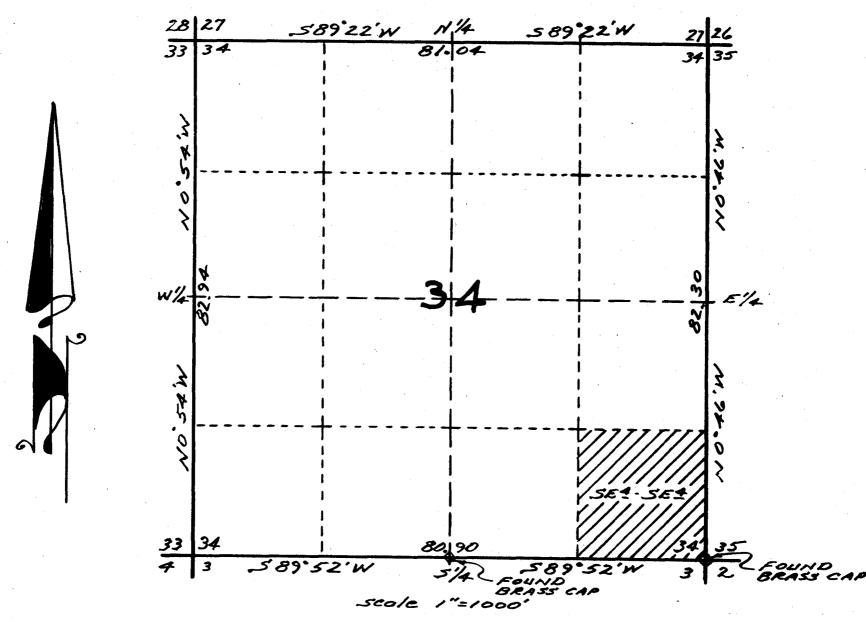
CONDITIONS OF APPROVAL ATTACHED

TO OPERATOR'S COPY
\*See Instructions On Reverse Side

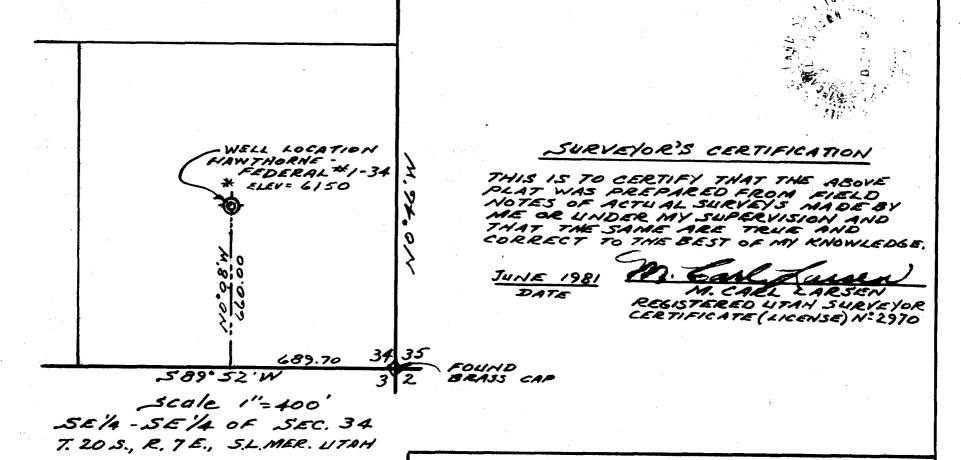
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

NOTICE OF APPROVAL

State of C.



SECTION 34
TOWNSHIP 20 SOUTH, RANGE 7 EAST,
SALT LAKE MERIDIAN, UTAH
DEPENDENT RESURVEY



\* ELEVATION TAKEN FROM U.S. G. S. QUAD SHEET.

EMERY COUNTY, UTAH

WELL LOCATION - HAWTHORNE-FEDERAL #1-34

SE'A OF SE'4, SEC. 34, T.205, R.7E., SL M, UTAH

PMUL PULLMAN OF F.L. ENERGY COMPANY

1943 EAST 1700 SOUTH STREET

SALT LAKE CITY, UTAN, 84108 (1-801-364-1063)

PREPARED BY

LARSEN AND MALMONIST

CONSULTING ENGINEERS AND LAND SURVEYORS

2736 SOUTH 2700 WIEST STREET

WEST VALLEY CITY, UTAN, 84119 (1-801-972-2634)

DRAWN BY: B.R.B. SCALE AS SHOWN DRAWING N°

CNECKED BY: MCL DATE: JUNE 1981

APPROVED BY: MCL JOBN° LEMOO66-815

July 2, 1981

F-L Energy Corp. 1943 E. 1700 S. Salt Lake City, Utah

RE: Well No. Hawthorne Federal #1-34

Sec. 34, T. 20S, R. 75, Emery County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 7.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to <u>immediately</u> notify the following:

MICHAEL T. MINDER - Petroleum Engineer

Office: 533-5771 Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-007-30084.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight Director

MTM/db CC: USGS

SUBJUST IN TRIPLICATE* (Other instructions on reverse side)
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING    SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.     U_20764		STATE OF UTAH	(Caner instru reverse s	
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use the form for proposals to drill or to deepen or plug back to a different reservoir.  OIL	DEPA	ARTMENT OF NATURAL RES	OURCES	ac y
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  OIL	DI	VISION OF OIL, GAS, AND N	MNING	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  OIL OAB WELL OTHER  O				11-20764
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R-I Energy Co.  ADDRAWS OF OFERATOR  E-I Energy Co.  ADDRAWS OF OFERATOR  Suite 23, 2020 East 3300 South, Salt Lake City, Utah 84109  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  See also space 17 below.)  At surface  SEX SEX Section 34  (560 FSL & 690 FEL)  FERMIT NO.  15. BLEVATIONS (Show whether DF, RT, GR, etc.)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF  FRACTURE TREAT  SHOUT-OFF  REPAIR WELL  CHANGE PLANS  (Other)  Check Appropriate Complete  ABANDON*  SHUBLOGY STATE  SHOUTING OR ACTORING  REPAIR WELL  CHANGE PLANS  (Other)  COMPLETE OPERATIONS (Clearly State all pertinent details, and give pertinent details, and give pertinent details, and give pertinent details, and give pertinent details and give pertinent details, and give pertinent details including estimated date of starting of proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones per OCTOBER REPORT:  Waiting on completion rig in order to attempt completion in the Ferron	OIL   UAB	E2		7. UNIT AGREEMENT NAME
Cuite 23 2020 East 3300 South, Salt Lake City, Utah 84109  Location of warfi. (Report location clearly and in accordance with any State requirements.*  Location of warfi. (Report location clearly and in accordance with any State requirements.*  At surface  SEX SEX Section 34  (560 FSL & 690 FEL)  11. BLEVATIONS (Show whether DP, RT, OR, etc.)  A. PERMIT NO.  (560 FSL & 690 FEL)  12. COUNTY OR PARISH IS. STATE  43-007-30084  15. BLEVATIONS (Show whether DP, RT, OR, etc.)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERPTION TO:  TEST WATER SHUT-OFF  PRACTURE TREAT  NULTIPLE COMPLETE  SHOUT OR ACIDIZE  REPAIR WELL  (Other)  Check Appropriate Casing  REPAIR WELL  (Other)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  REPAIR WELL  (Other)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  REPAIR WELL  (Other)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  REPAIR WELL  (Other)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  (Other)  Check Appropriate Casing  REPAIR WELL				S. FARM OR LEASE NAME
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(560 FSL & 690 FEL)  11. SPC., E., M., OB BLE. AND SUBSTICUTED DEPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting nent to this work.)  12. SCOUNT OR ALTER AND SUBSTICUTED DEPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting nent to this work.)  11. SPC., E., M., OB BLE. AND SUBSTICL OR ALTER. AND SUBSTICL OR ALTER. AND SUBSTICL OR ALTER. AND SUBSTICL OR ALTER. AND TO A SECTION 34  T. DESCRIBE PRINDOSED OR CUMPLETED DEPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting nent to this work.)  Waiting on completion rig in order to attempt completion in the Ferron	At surface		- Commenter of the comm	To. State and Toda, on Whiteen
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43-007-30084  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)  CHANGE PLANS (CHARLE PLANS (Other)  DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting a proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones per OCTOBER REPORT:  Waiting on completion rig in order to attempt completion in the Ferron	(560	FSL & 690 FEL)		SURVEY OR ARBA
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PRACTURE TREAT  MULTIPLE COMPLETE  ABANDON*  REPAIR WELL  (Other)  Describe Proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones per OCTOBER REPORT:  WATER SHUT-OFF  REPAIRING WELL  (Other)  REPAIRING WELL  (Other)  Operation Report  (Other)  (Note: Report results of multiple completion on Well  ('ounpletion or Recompletion Report and Log form.)  OCTOBER REPORT:  Water Shut-off  Fracture Treatment  Altering Casing  ABANDONMENT*  (Other)  Operation Report  (Note: Report results of multiple completion on Well  ('ounpletion or Recompletion Report and Log form.)  OCTOBER REPORT:	<sup>3.</sup> Check	Appropriate Box To Indicate	Nature of Notice, Report, or C	Other Data
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SHOUTING OR ACIDIZE  REPAIR WELL  CHANGE PLANS  (Other)  DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting a proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones per OCTOBER REPORT:  Waiting on completion rig in order to attempt completion in the Ferron	<del>  </del>		.	<del>-</del>
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Waiting on completion rig in order to attempt completion in the Ferron	nent to this work.			-
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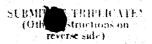
	•	
18. I hereby certify that the foregoing is true and correct SIGNED Paul Pullman	t TITLE President	DATE NOV. 2, 1981
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

### TE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING



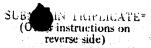
		DI		OIL, GAS, AND		5. LEASE DESI- U-2076	DNATION AND SERIAL NO.
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2. N	AME OF OP	<del>-</del>	Energy Co	orp.		8. FARM OR LE Hawthor	ASE NAME ne-Federal
	Dires of	2020 East 3			SLC, Utah 84109	9. WELL NO. #1	-34
	CATION OF the also space the surface			in accordance with a	ny State requirements.	10. FIELD AND	POOL, OR WILDCAT
			ection 34				M., OR BLK. AND
		(560 FSL &	690 FEL)				tion 34
14. PE	RMIT NO.		l l	ATIONS (Show whether	DF, RT, GR, etc.)	T20S 12. COUNTY OR	PARISH 18. STATE
	<del></del>	43-007-3008	4	6150 G.L.		Emery	Utah
16.		Check	Appropriate	Box To Indicate	Nature of Notice, Report,	or Other Data	
			NTENTION TO:			BARQUENT REPORT OF;	
T	IST WATER	SHUT-OFF	PULL OR AL	TER CASING	WATER SHUT-OFF		IRING WELL
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s	HOOT OR AC	CIDIZE	ABANDON*		SHOOTING OR ACIDIZING		DONMENT*
R	EPAIR WELI	L	CHANGE PLA	ANS		tion Report	х х
<u> </u>	Other)				(NOTE: Report re- Completion or Record details, and give pertinent di- ations and measured and true ve	sults of multiple components of multiple comp	letion on Well Log form.)
		Waiting on o	completion	rig to attem	pt completion in the	Ferron Forma	tion.
						DEC OF	W.E.M.
						OIL, GAS &	N OF MINING
			2				
	ENED	that the topegod	ig is the and	TITLE	President	DATE DO	ecember 3, 1981
(T	his space f	or Federal or State	office use)				
	PROVED 1	BY S OF APPROVAL, I	F ANY:	TITLE		DATE	

## DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION	(NO BERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
L. Cos APPLICATION FOR PERMIT— for such proposals.)	7. UNIT AGREEMENT NA	<b>V X</b>
OIL U SAB WELL OTHER		
MAMS OF OPERATOR	S. PARM OR LEAST NAM	<b>B</b>
F-L Energy Corp.	Hawthorne-	Federal
ADDRESS OF OFFICE 2200 F	9. WELL NO.	
2020 East 3300 South (suite 23), SLC, Utah 84109  Location of wall (Report location clearly and in accordance with any State requirements.*	1-34	
See also space 17 below.) At surface	10. FIELD AND FOOL, OR Wildcat	WILDCAT
그렇게 되었다. 그 그는 그는 그리고 있는 그는 그 그 그 그 그는 그 그 없다.	11. SEC., T., E., M., OR S.	LE. AND
SE 1/4 SE 1/4 (560 FSL 690 FEL)	Section	34
5. PERMIT BO. 18 REPLATIONS (Show whether DR ST OR etc.)	T20S	R7E
	12. COUNTY OR PARISH	18. STATE
43-007-30084 6150 G.L.	Emery	Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or C	Other Data	
NOTICE OF INTENTION TO:	ENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	RETAIRING W	ELL
PRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT	AETERING CA	8170
SHOUT OR ACIDIZE ABANDON® SHOUTING OR ACIDIZING	ABANDONMEN	<b>1</b> •
REPAIR WELL CHANGE PLANS (Other) Operation		X
Other)  Completion or Recompile Properties of the Proposed work. If well is directionally drilled, give subsurface locations and measured and true vertices.	of multiple completion of etion Report and Log for	n Well n.)
	JAN 11 1982	
. I hereby certify that the foregoing is true and correct	DIVISION OF OIL, GAS & MINI	
SIGNED TITLE President	DATE Janua	ry 5, 198
(This space for Federal or State office use)  APPROVED BY	DATE	

### DEPARTMENT OF NATURAL RESOURCES



DIVISION OF OIL, GAS, AND		5. LEASE DESIGNATION . U-20764	AND SERIAL NO
SUNDRY NOTICES AND REPORTS (Do not use this form for proposals to drill or to deepen or plu Use "APPLICATION FOR PERMIT—" for suc	ON WELLS  ig back to a different reservoir.	6. IF INDIAN, ALLOTTER	MAK BEIET NO
	in proposals.)	7. UNIT AGREEMENT NAM	
WELL WELL X OTHER		1. UNIT AGREEMENT NAI	# <b>3</b>
. NAME OF OPERATOR		8. FARM OR LEASE NAME	<u> </u>
F-L Energy Corp.		Hawthorne-F	'ederal
. ADDRESS OF OPERATOR		9. WELL NO.	
2020 East 3300 South (suite 23),  LOCATION OF WELL (Report location clearly and in accordance with a See also space 17 below.)	SLC, Utah 84109	1-34	
See also space 17 below.) At surface	ny State requirements.	10. FIELD AND FOOL, OR Wildcat	WILDCAT
SE 1/4 SE 1/4 (560 FSL 690	FEL)	11. SEC., T., R., M., OR SL SURVEY OR AREA	A
		Section	
4. PERMIT NO. 15. SLEVATIONS (Show whether	DF, RT, GR, etc.)	T20S 12. COUNTY OR PARISH	R7E
43-007-30084 6150 G	L.	Emery	Utah
6. Check Appropriate Box To Indicate	Nature of Notice, Report, or (	Other Data	
NOTICE OF INTENTION TO:	PERSUE	UENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WY	PLL
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CAS	ING
SHOOT OR ACIDIZE ABANDON®	SHOUTING OR ACIDIZING	ABANDONMENT	•
REPAIR WELL CHANGE PLANS (Other)	(Other) <u>Operation</u>		X
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertin proposed work. If well is directionally drilled, give subsurface lo nent to this work.)	Completion or Recomp	s of multiple completion on pletion Report and Log form	ı Well
Hydraulic fracture completed p	reparing for back press	sure test	
8. I hereby certify that the foregoing is true and correct			
SIGNED June Law TITLE S	ecretary of the Corpora	tion Februa	ry 4, 198
(This space for Federal or State office use)			
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:		DATE	

Form Approved.

# UNITED STATES

		Budget	Bureau	No.	42-R142
5.	LEASE	 		:	

DEPARTMENT OF THE INTERIOR	U-20764
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
reservoir. Use Form 3-351-C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas 🗓 other	Hawthorne-Federal
	9. WELL NO.
2. NAME OF OPERATOR	1-34
F-L Energy Corp.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Wildcat
2020 East 3300 South (Suite 23), SLC 84109	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA Section 34 T20S R7E
AT SURFACE: SE 1/4 SE 1/4	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	Emery Utah
AT TOTAL DEPTH: (560 FSL 690 FEL)  16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	14. API NO. 43-007-30084
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 G. L.
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6130 G. L.
TEST WATER SHUT-OFF	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
MULTIPLE COMPLETE	change on Form 9–330.)
ABANDON*	
(other) Operation Report	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinent February Report;	rootionalik dvillad divia avaaniaha laastiaaa aad
Hydraulic Fracture completed prep	paring for back pressure test
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
SIGNED TITLE Secretary of t	the Comporation 3-1-82
(This space for Federal or State offi	
CONDITIONS OF APPROVAL, IF ANY:	DATE

#### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	5. LEASE U-20764·
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
ent	7. UNIT AGREEMENT NAME
	8. FARM OR LEASE NAME
٠, .	Hawthorne-Federal
	9. WELL NO.
	<u> </u>
<del></del>	10. FIELD OR WILDCAT NAME
	Wildcat
7	11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Section 34
	T20S R7E
	12. COUNTY OR PARISH 13. STATE  Emery Utah
E,	14. API NO. 43-007-30084

SUNDRY NOTICES AND REF (Do not use this form for proposals to drill or to d reservoir. Use Form 9-331-C for such proposals.)	PORTS ON WELLS	7. UNIT AGREEMENT I	NAME
Total Salar Proposals.)		8. FARM OR LEASE NA	ME
1. oil gas well well other		Hawthorne	
well Well W other		9. WELL NO.	2_rederar
2. NAME OF OPERATOR			
F-L Energy Corp.		1-34	
3. ADDRESS OF OPERATOR		10. FIELD OR WILDCAT	
		Wildo	
2020 East 3300 South (Suite	23), SLC 84109	11. SEC., T., R., M., OR	BLK. AND SURVEY OF
<ol> <li>LOCATION OF WELL (REPORT LOCATION DESCRIPTION DES</li></ol>	ON CLEARLY. See space 17		on 34
17 OLIDALO.		T20S	R7E
AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL:	( <del>4</del>	12. COUNTY OR PARISH	13. STATE
AT TOTAL DEPTH: (560	FSL 690 FEL)	Emery	Utah
	å l	14. API NO.	
16. CHECK APPROPRIATE BOX TO INDIC	ATE NATURE OF NOTICE	43-007-	30084
REPORT, OR OTHER DATA			
REQUEST FOR APPROVAL TO: SUB	SEQUENT DEPOS	15. ELEVATIONS (SHOW 6150 G.	/ DF, KDB, AND WD; L.
TEST WATER SHUT-OFF	SEQUENT REPORT OF:		
FRACTURE TREAT			
SHOOT OR ACIDIZE	<u> </u>		
REPAIR WELL	<b> </b>		
PULL OR ALTER CASING	H	(NOTE: Report results of m	ultiple completion or zone
MULTIPLE COMPLETE	H	change on Form 9-	330.)
CHANGE ZONES			
ABANDON*			
(other) Operation Report			
	<del>•</del>		
17. DESCRIBE PROPOSED OR COMPLETED including estimated date of starting and measured and true vertical depths for a	OPERATIONS (Clearly state proposed work. If well is di markers and zones pertinent	all pertinent details, and rectionally drilled, give sub	give pertinent dates surface locations and
	a conce pertinent	to this work.)	
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Subaumfana SÁ V. V.			
Subsurface Safety Valve: Manu. and Type		Set	@ E+
18. I hereby certify that the foregoing is true	and correct		e rt.
SIGNED JOHN / Cario	TITLE Secretary of t	ne Commoration A	pril 2, 1982
	his space for Federal or State offic		
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APPROVED BY	TITLE	DATE	
CONDITIONS OF APPROVAL, IF ANY:			

Form Approved. Budget Bureau N

## UNITED STATES

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LEASE						

DEPARIMENT OF THE		U-20764·			
GEOLOGICAL SU	RVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAM	E		
SUNDRY NOTICES AND RE (Do not use this form for proposals to drill or to c reservoir. Use Form 9-331-C for such proposals.)	PORTS ON WELLS	7. UNIT AGREEMENT NAME			
•		8. FARM OR LEASE NAME			
1. oil gas 🗓 other		Hawthorne-Federal			
2. NAME OF OPERATOR		9. WELL NO.			
	** **	1-34			
F-L Energy Corp.  3. ADDRESS OF OPERATOR		10. FIELD OR WILDCAT NAME			
	<u>.</u>	Wildcat			
4. LOCATION OF WELL (REPORT LOCATION OF WELL (	ON CLEARLY. See space 17	11. SEC., T., R., M., OR BLK. AND SURVE AREA Section 34	Y OR		
below.) AT SURFACE: SE 1/4 SE 1		——— T20S R7E			
AT SURFACE: SE 1/4 SE 1 AT TOP PROD. INTERVAL:	/ <sub>4</sub>	12. COUNTY OR PARISH 13. STATE			
AT TOTAL DEPTH: (56	Q FSL 690 FEL)	Emery Utah	٠.,		
		14. API NO.			
16. CHECK APPROPRIATE BOX TO INDIC REPORT, OR OTHER DATA	TATE NATURE OF NOTICE,	43-007-30084			
		15. ELEVATIONS (SHOW DF, KDB, AND 6150 G. L.	WD)		
REQUEST FOR APPROVAL TO: SUI	SEQUENT REPORT OF:	0.000 0. 1.			
TEST WATER SHUT-OFF  FRACTURE TREAT					
SHOOT OR ACIDIZE	H		:		
REPAIR WELL	H				
PULL OR ALTER CASING	l H	(NOTE: Report results of multiple completion o change on Form 9–330.)	r zone		
MULTIPLE COMPLETE		change on Form 9-330.)			
CHANGE ZONES					
ABANDON* (other) Operation Report					
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17. DESCRIBE PROPOSED OR COMPLETE including estimated date of starting an measured and true vertical depths for a	OPERATIONS (Clearly state y proposed work. If well is di il markers and zones pertinent	all pertinent details, and give pertinent d rectionally drilled, give subsurface locations to this work.)*	ates, and		
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Subsurface Safety Valve: Manu. and Type		Set @	Ft		
18. I hereby certify that the foregoing is true	and correct				
SIGNED Mun / Lace	TITLE Secretary of t	10/0-	100		
	his space for Federal or State offic	e use)	<del></del>		
APPROVED BY	TITLE	DATE	•.		

Form	A	ppr	oved				
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Dec. 1973	Budget Bureau No. 42-R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR  GEOLOGICAL SURVEY	U-20764
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form-for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
	8. FARM OR LEASE NAME
1. oil gas 図 other	Hawthorne-Federal
2. NAME OF OPERATOR	9. WELL NO.
F-L Energy Corp.	1-34 10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Wildcat
2020 East 3300 South (Suite 23), SLC 84109	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA Section 34
AT SURFACE: SE 1/4 SE 1/4	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH: (560 FSL 690 FEL)	Emery Utah
	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	43-007-30084
	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 G. L.
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6150 G. L.
TEST WATER SHUT-OFF  FRACTURE TREAT	
SHOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Parada de la constitución
PULL OR ALTER CASING	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
MULTIPLE COMPLETE CHANGE ZONES	
ABANDON*	
(other) Operation Report	
17 DESCRIPE PROPOSED OF COLUMN TERMS	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is a measured and true vertical depths for all markers and zones pertined.	te all pertinent details, and give pertinent dates, directionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertiner	nt to this work.)*
Waiting for completion rig	
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
SIGNED A CALL (CLL) TITLE Secretary of t	the Comporation 1 July 82
(This space for Federal or State off	
APPROVED BY	
CONDITIONS OF APPROVAL, IF ANY:	DATE

Form 9–331 Dec. 1973

Form Approved. Budget Bureau No. 42-R1424

## UNITED STATES

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DEPARTMENT OF THE INTERIOR	<b>5. LEASE</b> U-20764
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	7. UNIT AGREEMENT NAME
	8. FARM OR LEASE NAME
1. oil ☐ gas ☑ other	Hawthorne-Federal
2. NAME OF OPERATOR	9. WELL NO.
F-L Energy Corp.	1-34  10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Wildcat
2020 East 3300 South (Suite 23), SLC 84109	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA Section 34
below.) AT Surface: Se 1/4 Se 1/4	T20S R7E
AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH: (560 FSL 690 FEL)	Emery Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO. 43-007-30084
REPORT, OR OTHER DATA	
	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 G. L.
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	
SHOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING	change on Form 9–330.)
MULTIPLE COMPLETE  CHANGE ZONES	
ABANDON*	
(other) Operation Report	
17 DECORDE PROPOSED OF CO. IN THE CO.	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinent	a all pertinent details, and give pertinent dates, irectionally drilled, give subsurface locations and
Waiting for Completion Rig	
watering for completion and	
Subaurtan Office Value 1	
Subsurface Safety Valve: Manu. and Type	Set @ Ft.

DATE

18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

TITLE Secretary of the Comporation

FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL

PULL OR ALTER CASING

Operation Report

MULTIPLE COMPLETE CHANGE ZONES ABANDON\*

(other)

(NOTE: Report results of multiple completion or zone

change on Form 9-330.)

Form Approved. Budget Bureau No. 42-R1424

### UNITED STATES

DEPARTMENT OF THE INTERIOR	U-20764 ·				
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME				
1. oil gas well other	8. FARM OR LEASE NAME Hawthorne-Federal				
2. NAME OF OPERATOR	9. WELL NO. 1-34				
F-L Energy Corp.  3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Wildcat				
2020 East 3300 South (Suite 23), SLC 84109 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	11. SEC., T., R., M., OR BLK. AND SURVEY O AREA Section 34 T20S R7E				
AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL: AT TOTAL DEPTH: (560 FSL 690 FEL)	12. COUNTY OR PARISH 13. STATE Emery Utah				
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	14. API NO. 43-007-30084				
REPORT, OR OTHER DATA  REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 G. L.				
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF					

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

. WALTING Completion

Subsurfa	ace Safety Valve: N	Manu, and Type	<u></u>				. Set @		F+
18. I he	reby certify that the	e folegoing is		cary of the	Compora	ıtion		5-82	7 64
APPROVE	D BY	(	(This space for Feder		e)				
CONDITIO	NS OF APPROVAL	IF ANY-			DATE _	<del></del>	·····	<del> </del>	

### UNITED STATES

Form	Approved	i.	tage for a		
Budge	t Bureau	No.	42-R1	42	4

DEPARTMENT OF THE INTERIOR	<b>U−20764</b> ・
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
reservoir, Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas well other	Hawthorne-Federal
2. NAME OF OPERATOR	9. WELL NO.
F-L Energy Corp.	1-34 10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Wildcat
2020 East 3300 South (Suite 23), SLC 84109 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 34  T20S R7E
AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL: AT TOTAL DEPTH: (560 FSL 690 FEL)	12. COUNTY OR PARISH 13. STATE Emery Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	14. API NO. 6/5 43 <del>-807</del> -30084
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 G. L.
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF	
PULL OR ALTER CASING	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is demeasured and true vertical depths for all markers and zones pertinent watering.  WALTING POR COMPLETION DI	t to this work.)*
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는 이 시간에 가능하는 경우가 되었다. 전환 기계를 받는 것으로 보고 있다. 그런 기계를 받는 그 이 나는 이 및 전 이 및 이 사람들이 되었다. 그런 그는 것으로 보고 있다.	
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the folegoing is true and correct	
SIGNED TITLE Secretary of t	the Comporation 92-82
(This space for Federal or State off	
	CO USO
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE

Form Approved. Budget Bureau No. 42-R1424

### UNITED STATES

5. LEASE

DEPARTMENT OF THE INTERIOR  GEOLOGICAL SURVEY	U-20764  6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME  8. FARM OR LEASE NAME
1. oil gas well other	Hawthorne-Federal  9. WELL NO.
2. NAME OF OPERATOR  F-L Energy Corp.	1-34  10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR 2020 East 3300 South (Suite 23), SLC 84109	Wildcat
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL: AT TOTAL DEPTH: (560 FSL 690 FEL)	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 34  12. COUNTY OR PARISH 13. STATE  Emery Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	14. API NO. 43-007-30084
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 G. L.
TEST WATER SHUT-OFF	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is different and true vertical depths for all markers and zones pertiner	e all pertinent details, and give pertinent dates, irectionally drilled, give subsurface locations and it to this work.)*
Waiting for complet ion rig	
To the second of	
Subsurface Safety Valve: Manu, and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
TITLE Secretary of this space for Federal or State off	
APPROVED BY TITLE TITLE	DATE

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DEPARTMENT OF THE INTERIOR  GEOLOGICAL SURVEY	5. LEASE U-20764 ·
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
reservoir. Use Form 9-331-C for such proposals.	8. FARM OR LEASE NAME
1. oil gas well other	Hawthorne-Federal
Well Collect	9. WELL NO.
2. NAME OF OPERATOR	1-34
F-L Energy Corp.  3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME
2020 East 3300 South (Suite 23), SLC 84109	Wildcat  11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 below.)	AREA Section 34  T20S R7E
AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL: AT TOTAL DEPTH: (560 FSL 690 FEL)	12. COUNTY OR PARISH 13. STATE Emery Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	14. API NO. 43-007-30084
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
7(3000	6150 G. L.
REQUEST FOR APPROVAL TO: SUBSEQUENT) POR TEST WATER SHUT-OFF	<b>W</b> 151m
FRACTURE TREAT	
SHOOT OR ACIDIZE	
REPAIR WELL MUV 29	1986OTE: Report results of multiple completion or zone change on Form 9–330.)
	change on Form 9–330.)
MULTIPLE COMPLETE DIVISION	INE 教 · · · · · · · · · · · · · · · · · ·
CHANGE ZONES UIVIOUN ABANDON* UIVIOUN OII GAS 8 I	UF 1
ABANDON* Operation Report OIL, GAS & I	MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well was initially completed in the Ferron Sandstone member of the Mancos Formation. No Braden-Head had been set by the Drilling Contractor; only a small amount of cement at the surface between the production casing and the surface pipe. The well was hydraulically fractured treated, and during this operation the production casing was noted to have significant motion in a vertical plane. It is felt this movement damaged the cement bond between the formation and the casing, as extraneous water encroachment is severely interfering with sustained flows of gas. It is therefore proposed to rectify this situation by performing the following work.

- 1) Move in completion rig and thoroughly swab hole to clean channels.
- 2) Set packer and squeeze existing perforations at low pressures with a minimum of 75 sacks of class H cement with a fluid loss additive.
- 3) Release packer and drill out cement. Check for water entrance. If necessary, resqueeze.
- 4) Open productive interval from 1114-1120. Stimulate if necessary.
- 5) Flow test well and if it is significantly water free, test and prepare to hook up for production.

	mrs expected	MOLK WILL CO	ommence	immediately upon receiving	U.S.G.	S approval.
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		\$ 15 miles				
SIGNED	reisty that the foregoing  Foliah h  Patrick. L. D	is true and correct	TITLE _	Vice-President	DATE	Nov. 24, 1982
(This space	for Federal or State of	fice use)				
APPROVE			TITLE _		- <del>S</del> ATE	
CONDITIO	NS OF APPROVAL, IF	ANY:		APPROVED BY THE ST OF UTAH DIVISION	OF	
	*	*S	e Instructi	OIL, GAS, AND MINI	NG	
				BY:		

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

.Dac. 1973	Budget Bureau No. 42-R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	U−20764·
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9–331–C for such proposals.)	- 8. FARM OR LEASE NAME
1. oil 🖂 gas 🖼	Hawthorne-Federal
well well well other	9. WELL NO.
2. NAME OF OPERATOR	1-34
F-L Energy Corp.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Wildcat
2020 East 3300 South (Suite 23), SLC 84109	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17	AREA Section 34
below.) AT SURFACE: SE 1/4 SE 1/4	T20S R7E
AT SURFACE: SE 1/4 SE 1/4 AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH: (560 FSL 690 FEL)	Emery Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO.
REPORT, OR OTHER DATA	43-007-30084
	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6150 G. L.
TEST WATER SHUT-OFF	
FRACTURE TREAT	마이 시민 회사는 이번 중 없는 방문에 보고 있다.
SHOOT OR ACIDIZE	그들은 시대를 되고 있는데 얼마를 보는데 되었다.
REPAIR WELL DIE DE	(NOTE: Report results of multiple completion or zone
MULTIPLE COMPLETE	change on Form 9-330.)
CHANGE ZONES	
ABANDON*	그림은 근갖한다고 하이 끝날을 하늘라고 있었다. 바
(other) Operation Report	일 보면이 맛있다. 하는 생각이 다른 보다는 것 같다.
17 DESCRIPE PROPOSED OF COURT STEP OF THE	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones and is dimeasured.	all pertinent details, and give pertinent dates,
measured and true vertical depths for all markers and zones pertinen	t to this work.)*
그로 되는 하는 사람들이 그림 왕이를 사내가 살아갔다.	옷이 된 기술을 받는 방송하면 말이는 아이를
· Moved in workover rig; Bucks Drill	ing Co. Rig #1 Haulad
2 3/8" tubing and well-head to loc	
Swab testing well prior to perform	
	저 너 얼음 내일에서 모양생이 많아나는 사람들이
그 보고 있는데, 이 그 시간으로 함께 함께 살아왔다고 있다. 그렇	
크리 나는 아이를 보고 있다. 생활들이 모양하다 하고 있다.	
	그리는 도그램 사는 회사를 잃었다면 하는 것들은 것들은
경기 들이 하는 사람들에게 하고 된다면 살아 보니 말이 그 것이라고 하다.	
Subsurface Safety Valve: Manu. and Two	
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
Subsurface Safety Valve: Manu. and Type  18. I hereby certify that the foregoing is true and correct	Set @Ft.

(This space for Federal or State office use)

SIGNED .

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

Form Approved.

Dec. 1973	Budget Bureau No. 42-R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	U-20764·
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
reservoir. Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas	Hawthorne-Federal
well well dother	9. WELL NO.
2. NAME OF OPERATOR	1-34
F-L Energy Corp.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Wildcat
2020 East 3300 South (Suite 23), SLC 84109	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA Section 34
AT SURFACE: SE 1/4 SE 1/4	T20S R7E
AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH: (560 FSL 690 FEL)	Emery Utah
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO.
REPORT, OR OTHER DATA	43-007-30084
	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6150 G. L.
TEST WATER SHUT-OFF   ☐	
FRACTURE TREAT	
SHOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone
MULTIPLE COMPLETE	change on Form 9–330.)
CHANGE ZONES	
ABANDON*	
(other) Operation Report	
17 DESCRIPE PROPOSED OF COURT STEE OFFI	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work, if well is different and true vertical depths for all markers and true vertical depths and true vertical depths for all markers and true vertical depths and true verti	e all pertinent details, and give pertinent dates
measured and true vertical depths for all markers and zones pertinen	it to this work.)*
	The second se
Moved in workover rig belonging to Bucks	Drilling Co. Rigged up
and ran 2 3/8" J-55 tubing and dressed or	ut well-head Wall was
rull of fluid and indicated 0 psig on car	sing and tubing Comm-
enced swabbing well and recovered 200 bh	of fluid before there
were any indications of fluid dropping at	nd casing pressure building
continued swanning, and water influx hear	an decreasing yery matica-
ably. Well-nead pressure is currently 17	nsig and gradually
increasing. It is planned to continue swa	abbing in an attempt to
ury up well. If this is unsuccesful, it	is planned to coment
squeeze lower perforated interval in orde	er to effectuate a complete
water shut-off.	
Subsurface Safety Volument	
Subsurface Safety Valve: Manu. and Type	Set @ Ft
18. I hereby certify that the foregoing is true and correct	

TITLE Secretary of the Comporation

(This space for Federal or State office use)

TITLE

Form 9-331 Dec. 1973

PULL OR ALTER CASING

MULTIPLE COMPLETE CHANGE ZONES ABANDON\* (other) Form Approved.
Budget Bureau No. 42-R1424

change on Form 9-330.)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY	5. LEASE U-20764 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
1. oil G gas G	8. FARM OR LEASE NAME Hawthorn Federal
well Well KJ other  2. NAME OF OPERATOR	9. WELL NO. 1-34
F L Energy 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Wildcat
2020 East 3300 South #23 SLC, Ut 84109  4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  SE% SE% (560FSL-690FEL)	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 34 T20S-R7E
AT SURFACE: AT TOP PROD. INTERVAL: As Above	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH: As Above  6. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO. 43-007-30084
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6150 GL
EQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  EST WATER SHUT-OFF	(NOTE: Page 1 results of

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Tests have been made on this well in order to determine the extent the primary cement job was damaged during the initial fracing operations. It appears that the water entry into this well is from behind the pipe channeling. Numerous attempts were made to mechanically de-water the well-bore, including smaller diameter tubing, plunger 1. ft. installation and prolonged swabbing. Although it was possible to lower the water level considerably to a point where it was noted that 305psig was on the annuls. and a fair to good gas flow (75mcf) was present, the amount of water (5 bwph) is too much to effectively produce the well in this manner. Arrangements have been made to shut-off this water by utilization of a B. J. Hughes Aqua-frol method

Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	Operations DATE True 19, 1983
(This space for Fede	ral or State office use)  DATE

### STATE OF UTAH

SUBMIT IN DUPLICATE\*
(See other instructions
on reverse side)

DE	PARTMENT	OF N	ATURAL	RESOU	RCES		011 101	0100 1140)		1 4
1	DIVISION OF	OIL,	GAS, AN	ID MINII	NG				5. LEASE DESIGNATION OF THE PROPERTY OF THE PR	GNATION AND SERIAL NO.
WELL CO	MPLETION	1 OR	RECO	MPLET	ION I	REPORT	AŅI	D LOG*	6. IF INDIAN,	ALLOTTEE OR TRIBE NAME
1a. TYPE OF WEI		ELL	GAS (	<b>a k</b>	RV	Other		Ai .	7. UNIT AGREE	MENT NAME
b. TYPE OF COM	IPLETION:	EP-	PLUG [	% Ar.	r. [				S. FARM OR LE	
2. NAME OF OPERA		بينا: ١	BACK L	RES	VR. []	Other			-	horn Fed
	Energy					0	4	Co.	9. WELL NO.	
3. ADDRESS OF OPE	BATOR 20 East 3	300	South	#23	STC	THE QUE	1 / 0	$\sim$ $\sim$	1-34	
4. LOCATION OF WE							<u> </u>	<u>ن (۲</u>	ية بن أكسي	POOL, OR WILDCAT
At surface	EL S	SE坛				630fel				dcat m., or block and survey
	terval reported l		j	•	abov			જે જે	OR AREA Sec	
At total depth			. 1				1/A		m 2 A	C D7E
		1		14. PE	RMIT NO.	· · · · · · · · · · · · · · · · · · ·	DATE	SSUED	12. COUNTY OR	S, R7E
				43-	-007-	30084	7-2	29-81	Emery	Utah
15. DATE SPUDDED	16. DATE T.D.		D   17. DAT	E COMPL.	(Ready t	o prod.)   18	. ELEV	ATIONS (DF, RKI		19. ELEV. CASINGHEAD
9-20-81	19-22-8	31					606	50 G L		6062
20. TOTAL DEPTH, MD 1400	4 TVD 21. PI	UG, BACI 136	с т.р., мр & 7	TVD   22	. IF MUL HOW M	TIPLE COMPL.	•	23. INTERVALS DRILLED B		CABLE TOOLS
24. PRODUCING INTE	RVAL(S), OF THI	SCOMPI	LETION—TO	P, BOTTOM,	NAME ()	MD AND TVD)*	· .			25. WAS DIRECTIONAL SURVEY MADE
Ferron Fo	•				-112			4spf		no
26. TYPE ELECTRIC					_	-			1	7. WAS WILL CORED
DIL, Cal	iper, Gai	nma							Density	no
CASING SIZE	WEIGHT, LE	/FT	CAS DEPTH SI			ort all strings	a set in	cementin	G PEGODD	
7"		ft	92		· [	7811		<del></del>	d to surf	AMOUNT PULLED
4 1/2"		ft	1,1	1 2 t	<del>- 6</del>	1/4"		Cemente		ace none
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29.	1						<u> </u>	· · · · · · · · · · · · · · · · · · ·		
SIZE	TOP (MD)	<del></del>	R RECORD			1		30.	TUBING RECOR	D.
	101 (115)	ВОТТ	OM (MD)	SACKS CI	EMENT*	SCREEN (M	D) -	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		NON	E .	·		<del></del>	-			
31. PERFORATION RE	CORD (Interval,	ize and	number)			32.	ACI	D. SHOT, FRA	CTURE, CEMENT S	ROHEEZE ETC
1117 1107						DEPTH INT			AMOUNT AND KIND	
1114-1120	J 4 SPE					1114-1	120	1136-40	Frac	45000
			2							
33.*		<del></del>		: T			············			
ATE FIRST PRODUCT	rion   PRO	DUCTION	METHOD (	Flowing, ge		DUCTION umping—size	and tu	ne of numa)	l WPII en	ATUS (Producing or
				owing				, , , , , , , , , , , , , , , , , , ,	_ shut-i	n)
DATE OF TEST	HOURS TESTER	C	HOKE SIZE	PROD'I		OIL—BÉL.		GAS-MCF.	WATER-BBL.	ing water S.
4,1,83	2	.	3/16	12.51	PERIOD	1		3+MCF/	hr 10	
TIOW. TUBING PRESS.	305		ALCULATED 4-HOUR RAT	OIL—I	BBL.	GAS-	мс <b>г.</b> 75+	WATE	R—BBL. 0	Est
34. Disposition of (	AB (Sold, used f	r fuel, 1	vented, etc.	)				I	TEST WITNESSE	
Waiting :		iur	water	shut	off	attemp	t		P. Dri	scoll
				i.		•				
36. I hereby certify	that the forego	ing and	attached i	nformation	is comp	lete and corre	ect as	determined fro	m all available reco	ords
SIGNED Z	L. Br	هست.	0	TI	rle _	V. P. 6	per	- 40-4	DATE _	6/20/83

or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35. General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency

or Federal office for specific instructions.

Hem 18: Indicate which elements are reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing intervals, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

tem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

1. A. C.

7. SUMMARY OF POR SHOW ALL IMPOR DEPTH INTERVAL	OUS ZONES: TANT ZONES OF PC TESTED, CUSHION	BOSITY AND CONTENUES USED, TIME TOOL OF	37. SUMMARY OF POROUS ZONES; SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, PLOWING AND SHUT-IN PRESSUEDS. AND RECOVERIEN	38. GEOLOGI	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	
				MAM	MEAS. DEPTH	TRUB VERT. DEPTH
Ferron	1112	1231	Upper part of sand 1114-1120	Bluegate shale	e 0	1112
•			contains Gas and Probably water	Ferron sand	1112	1231
	ž			Tununk shale	1231	TD
	*					
	William Committee and Committe	er en de la composition della	Comment of the Comme			
	<b>.</b>					

	Form Approved	i.	
4	<b>Budget Bureau</b>	No.	42-R142

SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9-331-C for such proposals.)  1. oil gas well other  2. NAME OF OPERATOR F-L Energy Corporation  3. ADDRESS OF OPERATOR 2020 E. 3300 S. #23 S.L.C., Utah 84109  4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: AT TOP PROD. INTERVAL; AT TOTAL DEPTH:  6. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  TEST WATER SHUT-OFF APPROVAL TO: SUBSEQUENT	ALLOTTEE OR TRIBE NAME
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F-L Energy Corporation  ADDRESS OF OPERATOR  2020 E. 3300 S. #23 S.L.C., Utah 84109  L LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 below.)  AT SURFACE: AT TOP PROD. INTERVAL; AT TOTAL DEPTH:  C. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  EQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  ST WATER SHUT-OFF  HACTURE TREAT  HOOT OR ACIDIZE  PAIR WELL  ULTIPLE COMPLETE  HANGE ZONES  BANDON*  ther)  7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent d including estimated date of starting any proposed work. If well is directionally drille measured and true vertical depths for all markers and zones pertinent to this work.)*  This gas well is making an abnormal amount of water other than the producing zone. It is planned to describe the content of the	
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7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent d including estimated date of starting any proposed work. If well is directionally drille measured and true vertical depths for all markers and zones pertinent to this work.)*  This gas well is making an abnormal amount of wate other than the producing zone. It is planned to describe the context of the con	
measured and true vertical depths for all markers and zones pertinent to this work.)*  This gas well is making an abnormal amount of wate other than the producing zone. It is planned to described the standard of the standa	
measured and true vertical depths for all markers and zones pertinent to this work.)*  This gas well is making an abnormal amount of wate other than the producing zone. It is planned to described the standard of the standa	
other than the producing zone. It is planned to d	etails, and give pertinent dates, i, give subsurface locations and
other than the producing zone. It is planned to d	r from/a Zone(s)
treatment (Polymer Cal) as developed by the R I H	o an Aqua-trol
FIEGEMENT (INTAMET GET) TO GENETOHER DY FINE DOOR IN	ughes Service
Company, and it is believed that it will be effect	
water flow to a minimal amount; i.e., 5 BWPD. The	work is schedualed
to be completed before the end of Sept. 1983, and	
be schedualed during the first week of October, 19	
will be given to your office before the test is ru	
Associated in min a	
OF LITAN PRINCIPLE	
OF UTAH DIVISION	rate SER 1 400
OIL, GAS, AND HOM	rate SER 1 4 400:
ubsurface Safety Valve: Manu. and Type	rate SER 1 400
8. I hereby certify that the foregoing is true and correct	rate SER 1 4 400:
	rate SER 1 1400:
IGNED THE DATE DATE	SEP 1 4 198:  DIVISION OF GAS 3 1/1/19
	rate CER 1 1 100
(This space for Federal or State office use)	SEP 1 4 198:  DIVISION OF GAS 3 1/1/19
PPROVED BY DATEDATE	SEP 1 4 199  DIVISION OF GAS 3 1419

### UNITED STATES DEPARTMENT OF THE INTERIO GEOLOGICAL SURVEY

(FORM 9-329) (2/76) OMB 42-RO 356

MONTHLY REPORT OF OPERATIONS

Lease No.	U 20764		
Communitization A		·	
Field Name Fe	rron		
Unit Name			
Participating Area _			
County Emery		State	Utah
Operator F.L. Ene			

□ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of \_\_\_\_\_\_, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report care result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and for feit the bond (30 CFR 221.53).

Well No	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Hawthorn 1-34	Sec 34	208	7 E	Workov	er O	Ö	0	0	Waiting for Test
	·	·							

\*If none, so state.

### DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
On hand, Start of Month	0	XXXXXXXXXXXXXXXX	
Produced	0	0	XXXXXXXXXXXXXXXXX
Sold	0	0	XXXXXXXXXXXXXXXX
Spilled or Lost	0	XXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
Flared or Vented	XXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXX
Used on Lease	0	0	XXXXXXXXXXXXXXXX
Injected	0	0	0
Surface Pits	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	0
Other (Identify)	0	0	0
On hand, End of Month		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXX
API Gravity/BTU Content / X	0	0	XXXXXXXXXXXXXXXXX
Authorized Signature:		020 E 3300 So SLC,	Ut 84109
Title:/ Sec	3	Page of	

	UNITED			4		-ease No	U-20764		
DEPA	RTMENT ( GEOLOGIC (FOR)	OF THE AL SU 1 9-329)	<b>RVEY</b>	RIOR	. (		ion Agreement	No	
	OMB (2	/76) 42-RO :	356		l	Jnit Name			
				, i	Participating ,	Area		and the second	
! ! !	MONTHL	Y REP OF	ORT			Dounty	F. L. Er	nergy Corn	tateUtah
		ATION	S			Amended F		ergy corp.	
The fo				ort of opera	ations and	I production (i	ncluding status		d wells) for the month
of	<u> </u>		_, 19_				•	oi aii unpiugge	wells) for the month
-			•	(	See Revei	rse of Form for	Instructions)		
result in	bond (30 CFR	by law (3 ant of liqu 221,53)	IO U.S.C. uidated d	189, 30 U.S.C amages (30 C	C. 359, 25 U. CFR 221.54	S.C. 396 d), regula (j)), shutting down	tion (30 CFR 221.60) operations, or basis	, and the terms of t for recommendatio	he lease. Failure to report car n to cancel the lease and for
Well No.	Sec. &	TWP	RNG	Well Status	Days Prod.	'Barrels of Oil	'MCF of Gas	*Barreis of Water	Remarks
thorn	•		•						
1-3/4	Sec.34	20S	7E	Workov	er -0-	-0-	-0-		Waiting for Tes
							-0-	-0-	
						••			
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<del></del>			L						
DISPO	SITION OF	PROD	DUCTIO	ON (Lease	none, so a, Particip	state. Dating Area, o	r Communitize	d Area basis)	
						Oil & Conden		Gas	
•						(BBLS)	•	MCF)	Water (BBLS)
*On h	and, Start	of Moi	nth			-0-	J. 1	xxxxxxxxxx	and the second of the second o
*Produ	ıced ·				· •	-0-		0	XXXXXXXXXXXXXXXX
*Sold				٠.		-0-		-0-	XXXXXXXXXXXXXXX
	d or Lost					-0-	xxxxxx	XXXXXXXXXX	XXXXXXXXXXXXXXXXX
	d or Vente				2	XXXXXXXXXXX		-0-	XXXXXXXXXXXXXXXX
	on Lease	•				-0-		-0-	XXXXXXXXXXXXXXX
*Inject	rea .					^	•		

Surface Pits \*Other (Identify) \*On hand, End of Month API Gravity/BTU Content Authorized Signature

-0--0xxxxxxxxxxxxxx

xxxxxxxxxxxxxx

-0-

XXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX

-0-

-0-

U-20164 4-17416

#### ALKER MINERAL LEASING

#### ONSHORE DIL AND GAS LEASING AND PRODUCTION

22 BATTERY STREET, SUITE 314 SAN FRANCISCO, CA 94111 (415) 788-6544

MAILING ADDRESS: P.D. BOX 3168 SAN FRANCISCO, CA 94119

BLM District Office P 0 Box 970 Moab , Utah 84532 att : Greq Noble

July 26, 1986

Dear Sir:

On July 16, 1986 I was the top bidder at the KGS sale on two oil and gas leases in your district: U-60074 and U-60078 These leases are located:

grand of the contract of the c U-60074\ T 20 3, R 7-E Sec 26: SINE 47. SELANWA, SW4, WISEL Sec 34: SEANEA, ESEA \_\_\_\_\_480 acres U-60078 7 U-17916 T 16 S, R 8 E 7 Well Sun T 16 S, R 8 E | Well # Santa Fe Federal 1-27

Sec 27: SE4 | Ses Sec 27, T. 16 S. R. 8 E |

Md heuse # U-17416 Cumumated | Clased 9/1/85

160 acres

I understand that there are two unplugged shallow gas wells on the first lease and one unplugged gas well on the second It is my intention to appoint F-L Energy in Salt Lake City, Utah as designater operator for these properties

This letter requests that you do not require these leases and their operator to plug the aforementioned wells Although the market for small gas wells is weak at this time the FERC deregulation process has encouraged me to acquire these leases because one no longer is restricted to Mountain Fuel Co as a possible purchaser I expect to be able to sell this production to another buyer in the near future

Yours/sincerely,

cc: F-L Energy

Moab District P. O. Box 970 Moab, Utah 84532

AUG 22

Mr. Henry A. Alker Alker Mineral Leasing Onshore Oil and Gas Leasing and Production P. O. Box 194001 San Francisco, California 94119

Re: Santa Fe Federal No. 1-27 well Federal Lease U-60078 Sec. 27, T. 16 S., R. 8 E. Emery County, Utah

Dear Mr. Alker:

Following review of production test data from the reference well, we have determined the well as capable of production in paying quantities. Based on the test performed in August, 1983, we will accept the No. 1-27 well as a gas shut-in well.

For your information, according to policy, gas shut-in wells are wells which are capable of production in paying quantities, but are waiting for pipeline hookup, increased prices, etc. Shut-in wells can hold a lease in its extended term by reason of production potential. However, periodically we require production tests of wells which have not been produced for extended periods. Wells should be tested a minimum of every 10 years. Therefore, we will require that this well be tested prior to August 31, 1993, i.e., if the well remains in a gas shut-in status at that time.

No less than ten days prior to conducting the test, please submit a testing proposal to this office. The proposal may be submitted on a sundry notice form and should identify the testing method and equipment to be used. Also, contact the BLM San Rafael Resource Area Office at (801) 637-4584 at least 48 hours prior to conducting the test so that they may arrange to have an inspector present.

If you have any questions in this matter, please contact Dale Manchester at (801) 259-6111 in the Moab District Office.

Sincerely yours,

#### /S/ WILLIAM C. STRINGER

Assistant District Manager Mineral Resources

cc:

U-067, San Rafael Resource Area Office U-942, Utah State Office

bcc:

U-065, D. Manchester

DManchester:caf:8/21/91 WP Minerals Disk A:ALKRGSI

3162 (U-065) (U-60074) (U-60078)

Moab District P. O. Box 970 Moab, Utah 84532

SEP 1 | 1986

CERTIFIED MAIL - RETURN RECEIPT REQUESTED Certification No. 0276

Mr. Henry A. Alker P. O. Box 3168 San Francisco, CA 94119

> Re: Well No. Santa Fe Federal 1-27 SESE Sec. 27, T. 16 S., R. 8 E. Lease U-60078 API #43-015-30095

> > Well No. Hawthorn Federal 1-34 SESE Sec. 34, T. 20 S., R. 7 E. Lease U-60074 API #43-007-30084 (43-015-30084)

Dear Mr. Alker:

We are in receipt of your letter dated July 26, 1986 advising us that you had obtained the above referenced leases in the July competitive lease sale. There are currently two unplugged gas wells on these leases. You have requested the Bureau of Land Management not to require plugging and abandonment of these wells.

Your request is granted with the following conditions:

- 1) You will be required, as Lessee of Record Title and Operator of the above wells, to obtain bonding in accordance with regulations found in 43 CFR 3104. It is recommended that you obtain a statewide bond covering your activities on these leases. The necessary forms and instructions will be sent to you under separate cover by the Utah State Office, Minerals Adjudication Section.
- 2) You will be required to file Monthly Reports of Operation (Form 3160-6) with the Moab District Office each month beginning in September 1986 and continuing until the wells are plugged and abandoned. A copy of this form is enclosed.
- 3) All activities on these leases and wells involved must be in compliance with regulations found in 43 CFR 3160

JAN 1 6 1992;

DIVISION OF OIL GAS & MINING You also advised our office it was your intention to appoint F. L. Energy of Salt Lake City, Utah as designated operator of these wells. We are enclosing a copy of the Designation of Operator Form (Form 3160-8) which should be filed with the Moab District Office. Until this form is received in our office, we will continue to show that these wells are operated by Henry A. Alker.

Your prompt attention concerning the above matters would be appreciated. If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

181 James J. Travis

ACTING District Manager

Enclosures (4) 1-Form 3160-6 (2) 2-Form 3160-8 (2)

cc: San Rafael Resource Area (w/o encl.)
Utah State Office (U-942) (w/o encl.)

CFreudiger/cf 9/10/86



## State of Utah DEPARTMENT OF NATURAL RESOURCE

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

January 28, 1992

Henry A. Alker
P. O. Box 3168
San Francisco, California 94119

Dear Mr. Alker:

Re: Operator Change, F L Energy to Henry A. Alker, Company Santa Fe-Federal 1-27 well located in Sec. 27, T. 16S, R. 8E and Hawthorne 1-34 well located in Sec. 34, T. 20S, R. 7E - Emery County, Utah.

In reviewing the operator change for the referenced companies, it was determined that your company is not currently registered with the Utah Department of Commerce. This letter is written to advise you of your responsibility to register your company with the state prior to conducting business within Utah. This can be accomplished by contacting:

Department of Commerce Division of Corporations 160 East 300 South Salt Lake City, Utah 84111 (801) 530-4849

Sincerely,

Lisha Romero

Administrative Analyst

cc: Dept. of Commerce

D. T. Staley R. J. Firth

	of Cil, Gas a R'CHΛNGE HC				ŕ				Routing	7-12R
			by the division leted. Write				le.		2- <b>DTS</b> 3-VLC 4-RJF	
	e of Opera nation of		sold)		esignation perator Nam			,	5-RWM 6-ADA	
The ope	rator of th	he well(s)	listed bel	ow has o	changed (EF	FECT	IVE DATE:	7-26-86	)	
√O (new	operator) (address)	phone (4)	NRY A. 3168 ISCO, CA 94 15 ) 788-6544 0. N 7355	4	FROM (for			F L ENERG  2020 E. 3  SALT LAKE  KYNN KANO  phone (801  account no	300 S., S CITY, UT	84109 157
Name: Siname: Name: Name	ANTA FE-FEI	TUS FROM OF D 1-27/FRSI-34/FRSD		15-30084	Entity:29 Entity: Entity: Entity: Entity:	992	Sec <u>34</u> Tw SecTw SecTw SecTw SecTw	p <b>20S</b> Rng <b>7E</b> p Rng p Rng p Rng p Rng	Lease Ty Lease Ty Lease Ty Lease Ty	pe: <u>U-600</u> 7 pe: pe: pe:
OPERATO	OR CHANGE D	ЮСИМЕНТАТІ	ON			-				
. r <u>Alu</u>	(Rule R615 operator (	5–8–10) Su Attach to	undry or o this form).	ther <u>le</u>	<u>gal</u> docume	ntat	ion has	been recei	ved from	<u>former</u>
	(Rule R615 (Attach to	-8-10) Sur this form	ndry or oth	er <u>legal</u>	documenta	tion	has been	received f	rom <u>new</u>	operator
	operating ves show	any wells	ommerce has in Utah. le number:	Is comp	any regist	tered	with the	state? (y	es(no) _	If
	comments s	section of	deral Wells Documentation this form place prion	. Manag	gement rev	iew (	of Federa	l and Indi	an well	operator
Jef 5.	Changes ha listed abo	ive been er ove. <i>(1-28-9:</i>	ntered in t	he Oil a	and Gas Inf	orma'	tion Syst	em (Wang/IE	BM) for e	ach well
FCR 6.	Cardex fil	e has beer	n updated fo	or each	well listed	d abc	ove. (1-28-	927		
<i>Ja</i> 7.	Well file	labels hav	re been upda	ated for	each well	list	ted above.	11-28-927		
JCE 8.	Changes ha for distri	ave been i bution to	ncluded on State Lands	the mon s and th	thly "Oper e Tax Comm	ator issic	, Address on. <i>(1-28-9</i> ;	, and Accou		
Jet 9.	A folder h	nas been s ere for ref	et up for ference dur	the Oper	ator Chang	e fi	le, and a sing of th	copy of the original	is page document	has been s.

#### ALKER MINERAL LEASING ONSHORE OIL AND GAS LEASING AND PRODUCTION

155 MONTGOMERY STREET, SUITE 504 SAN FRANCISCO, CA 94104 [415] 788-6544 FAX [415] 986-3153

MAILING ADDRESS: P.O. BOX 194001 SAN FRANCISCO, CA 94119

May 12, 1852 State of Witch Natural Resners, O. 1 Gas, Mining 3 trad lenter, Ste 350 Salt Lake City, ut 84180-1203

MAY 1 4 1592

DIVISION OF OIL GAS & MINING

beullepens The enclosed from for 2 shut in possible on my testinal leaves stimulative sent to Ray Buckland Pegasus Petroleum Pe B4 1005 Castholde, et 84513

His from is luenced to operate wells in letale and is operating those lesses urrently Please notely the State land serve accordingly.

Henry a. alh

CC: R. Breekland

### Division of 0il, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

	Well File [] Suspense M Other (Return Date) (Location) SecTwpRng (To - Initials) (API No.)
1.	Date of Phone Call: 8-18-92 Time: 8:53
2.	DOGM Employee (name)
Particular.	Name Ray Buckland (Initiated Call []) - Phone No. (801) 748-2356  of (Company/Organization) Pegasus Petroleum
3.	Topic of Conversation: <u>Design of Agent</u> .  How thorne 1-34/43-015-30084 and Santa Fo Fed. 1-27/43-015-30095
4.	Highlights of Conversation:  Mr. Buckland confirmed that he is the designated agent for  Henry Alker. He is aware that both wells are on Federal leases,  and that Henry Alker is Considered to be the Operator and has  provided bond coverge to the Btm.  ** Dept. of Commerce - Legasus Petroleum "No Yisting"  ** Btm /moab - Notified of "Desig of Agent" (Not an open change)  ** Henry Alker - Notified of Desig of Agent". (Not an open change)



## State of Utah DEPARTMENT OF NATURAL RESOURCE

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

August 19, 1992

Ray Buckland Pegasus Petroleum P. O. Box 1005 Castledale, Utah 84513

Dear Mr. Buckland:

Re:

<u>Designation of Agent, Henry A. Alker c/o Pegasus</u> <u>Petroleum, for wells located in Emery County,</u> Utah.

In reviewing the designation of agent for the referenced companies, it was determined that your company is not currently registered with the Utah Department of Commerce. This letter is written to advise you of your responsibility to register your company with the state prior to conducting business within Utah. This can be accomplished by contacting:

Department of Commerce Division of Corporations 160 East 300 South Salt Lake City, Utah 84111 (801) 530-4849

Sincerely,

Lisha Romero

Administrative Analyst

ζζ

cc:

Dept. of Commerce

D.T. Staley R.J. Firth

Operator File(s)

Correspondence File/ldc



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph. D.

Division Director

# State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

August 19, 1992

Henry A. Alker P. O. Box 194001 San Francisco, California 94119

Dear Mr. Alker:

Re:

Designation of Agent, Henry A. Alker c/o Pegasus Petroleum, for wells located in Emery County, Utah.

In reviewing the designation of agent for the referenced companies, it was determined that your company is not currently registered with the Utah Department of Commerce. This letter is written to advise you of your responsibility to register your company with the state prior to conducting business within Utah. This can be accomplished by contacting:

Department of Commerce Division of Corporations 160 East 300 South Salt Lake City, Utah 84111 (801) 530-4849

Sincerely,

Lisha Romero

Administrative Analyst

cc:

Dept. of Commerce D.T. Staley R.J. Firth Operator File(s) Correspondence File/ldc

Division of Oil, Gas and Mining OPERATOR CHANGE HORKSHEET	Routing:
Attach all documentation received by the division reg Initial each listed item when completed. Write N/A i	arding this change.
	Designation of Agent Operator Name Change Only  5_ RWM 6_ ADA
The operator of the well(s) listed below h	as changed (EFFECTIVE DATE: 8-1-92 (PER ADMIN.)
TO (new operator) ALKER, HENRY A.  C/O PEGASUS PETROLEUM PO BOX 1005 CASTLEDALE, UT 84513 phone (801) 748-2356 account no. N 7355(A)	FROM (former operator) (address)  ALKER, HENRY A.  PO BOX 3168  SAN FRANCISCO, CA 94119  phone (415 )788-6544 account no. N7355
<pre>Hell(s) (attach additional page if needed):</pre>	
Name:       SANTA FE-FED 1-27/FRSD API:       43-015-30         Name:       API:         Name:       API:         Name:       API:         Name:       API:	
OPERATOR CHANGE DOCUMENTATION	
operator (Attach to this form).(&c	
(Attach to this form). * Phone Dicumen	egal documentation has been received from <u>new</u> operator
operating any wells in Utah. Is on yes, show company file number:	contacted if the new operator above is not currently company registered with the state? (yes no) If (fether mailed to both Companies 8-19-92)
comments section of this form. Machanges should take place prior to	Y) The BLM has been contacted regarding this change orm to this report). Make note of BLM status in anagement review of Federal and Indian well operator completion of steps 5 through 9 below.
listed above. (8-19-92)	il and Gas Information System (Wang/IBM) for each well
6. Cardex file has been updated for ea	ch well listed above. (8-19-927
fee 7. Well file labels have been updated	for each well listed above.(8-19-92)
for distribution to State Lands and	monthly "Operator, Address, and Account Changes" memo the Tax Commission. (8-19-92)
9. A folder has been set up for the Oplaced there for reference during r	perator Change file, and a copy of this page has been outing and processing of the original documents.

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.
ENTITY REVIEW -
1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach <u>copies</u> of Form 6, Entity Action Form).
אל <u>ה</u> 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.
BOND VERIFICATION (Fee wells only)
1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)  Today's date 19 If yes, division response was made by letter dated 19
LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY
1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated
2. Copies of documents have been sent to State Lands for changes involving State leases.
FILMING  RUM  V 1. All attachments to this form have been microfilmed. Date:
FILING
1. Copies of all attachments to this form have been filed in each well file.
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
COMMENTS
920818 Birn/maab Henry Alker is operator - ok to set it up as a design of agent. Do not change operator.
not change operator.

WE71/34-35

DIV. OF OIL, GAS & MINING SUNDRY NOTICES  Do not use this form for proposals to dri	TED STATES TOF THE INTERIOR AND MANAGEMENT  AND REPORTS ON WELLS 3 - 6 11 5 Ill or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993  5. Lease Designation and Serial No. U-60074  6. If Indian, Allottee or Tribe Name			
	IN TRIPLICATE	7. If Unit or CA, Agreement Designation			
1. Type of Well  Solid Gas Well Other		8. Well Name and No.			
2. Name of Operator HENRY ALKER		HAWTHORNE FED. 1-34  9. API Well No.			
3. Address and Telephone No.		43-015-30084			
•	, SAN FRANCISCO, CA 94104	10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, Sec., T., R., M., or Survey De		FERRON			
TOWNSHIP 20 SOUTH, RANGE	7 FAST SECTION 3/4 SENE	11. County or Parish, State			
TOWNSHIT 20 SOUTH, KANGE	/ ERSI, SECTION 34, SENE	EMERY CO., UTAH			
011201/12020001177	\ TO				
12. CHECK APPROPRIATE BOX(S	B) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION	I			
Notice of Intent	Abandonment	Change of Plans			
	Recompletion	New Construction			
Subsequent Report	Plugging Back	Non-Routine Fracturing			
	Casing Repair	Water Shut-Off			
Final Abandonment Notice	Altering Casing	Conversion to Injection			
	Cother	Dispose Water (Note: Report results of multiple completion on Well			
give subsurface locations and measured and true vertice	I pertinent details, and give pertinent dates, including estimated date of startial depths for all markers and zones pertinent to this work.)*  FOR PLUGGING AND ABANDONMENT.	ng any proposed work. If well is directionally drilled.			
CONTACT: CLIFFORD MURRAY 801-722-3000					
TICKLE: Setur For 10/20/94 For Submittal OF SER.					
Signed CLIFFORD MURRAY Cliffor	Malloy Title AGENT	Date 07/31/96			
APPROVE WY COND: 20 3/1/96	Assistant Field Manager,  Title Resource Management ONDITIONS OF APPROVAL ATTACHED	Date 8/30/96			
Title 18 U.S.C. Section 1001, makes it a crime for any person or representations as to any matter within its jurisdiction.	knowingly and willfully to make to any department or agency of the Unit	ed States any false, fictitious or fraudulent statements			

\*See instruction on Reverse Side

### **HAWTHORNE FEDERAL 1-34**

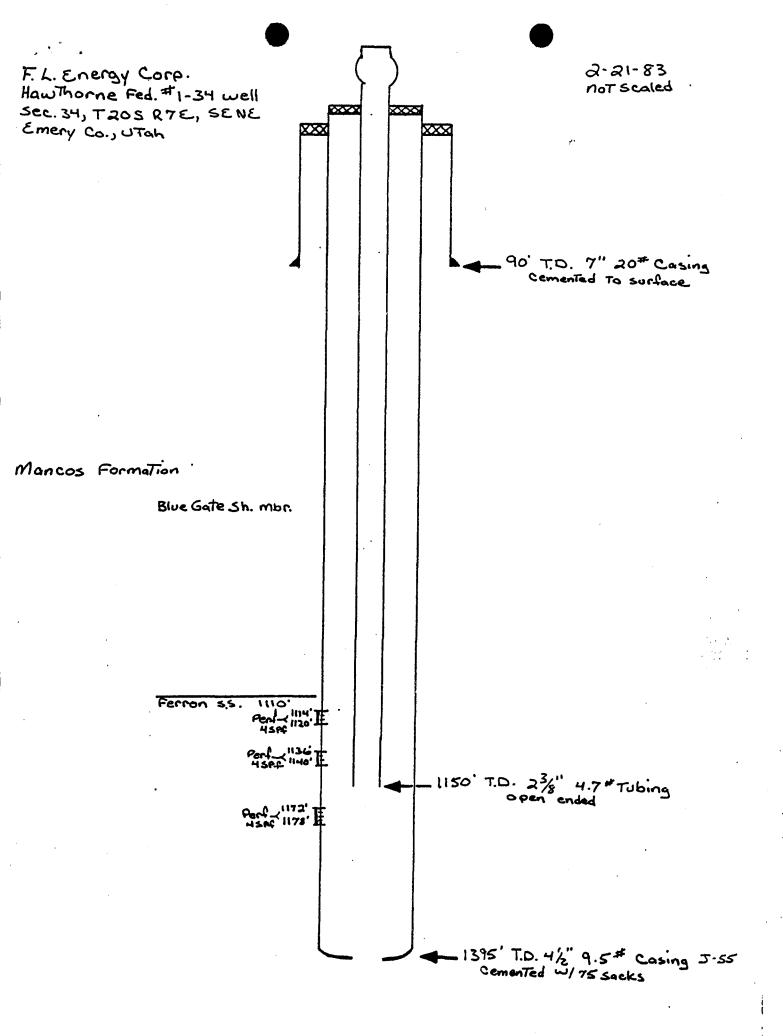
# Township 20 South, Range 7 East, Section 34, SENE API #43-015-30084 Proposed Plugging Procedure 07/31/96

- 1. Move in and rig up service unit and equipment.
- 2. Nipple down wellhead. Pull out of hole with 2 3/8" tubing.
- 3. Run in hole with 3.875" gauge ring on sandline to top of perf's at 1,114'.
- 4. Pick up 4 1/2" cast iron bridge plug and run in hole with 2 3/8" tubing. Set cast iron bridge plug at + /- 1,075'. Pull out of hole with 2 3/8" tubing.
- 5. Swab water from 4 1/2" casing to tank until dry.
- 6. Using Reddi-Mix truck and funnel, fill 4 1/2" casing to surface with class A cement.
- 7. Cut off casing head and fill to surface or set 50' Class A cement plug (whichever is greater) between 7" casing and 4 1/2" casing. NOTE: Casing to casing annulus may already be cemented.
- 8. Move out service rig and equipment.
- 9. Weld on dry hole marker per BLM requirements.
- 10. Restore surface to BLM specifications.

Henry Alker Well No. Hawthorne Federal 1-34 SESE Sec. 34, T. 20 S., R. 7 E. Emery County, Utah Lease UTU60074

#### **CONDITIONS OF APPROVAL**

1. Notify Mike Kaminski of the Price Office, Bureau of Land Management at (801) 636-3640, or at home (801) 637-2518, at least 24 hours prior to commencing plugging operations.



PECEIVE MION CONTIL, GAS AND MINI	NG A
	5. Lease Designation and Serial Number:
[\\  OCT 0.2 1997     //	U - 600 74 6. If Indian, Allottee or Tribe Name:
SUNDE WOTICES AND REPORTS	ON WELLS
DIV. OF OIL GAS & MINING and new wells, deepen existing wells, or to reent to APPUGATED FOR PERMIT TO DRILL OR DEEPEN form for s	er plugged and abandoned wells.  7. Unit Agreement Name:
1. Type of Well: OIL GAS 🔀 OTHER:	8. Well Name and Number: Hawthorne Fed 1-34
2. Name of Operator: Henry Alker	9. API Well Number: 43-015-30084
3. Address and Telephone Number:	10. Field and Pool, or Wildcat:
155 Montgomery Ste. 504 San Francisco C	A 94/04 415-788-6544  Ferron
4. Location of Well Footages:	county: EMERY
CQ. Soc., T., R.M.: SENE S. 34 T-205. R. 7.	the state of the s
11. CHECK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
☐ Abandon ☐ New Construction	Abandon New Construction
☐ Repair Casing ☐ Pull or Alter Casing	Repair Casing Pull or Alter Casing
☐ Change of Plans ☐ Recomplete	☐ Change of Plans ☐ Reperforate
☐ Convert to Injection ☐ Reperforate	☐ Convert to Injection ☐ Vent or Flare
☐ Fracture Treat or Acidize ☐ Vent or Flare	☐ Fracture Treat or Acidize ☐ Water Shut-Off
☐ Multiple Completion ☐ Water Shut-Off	Other
☐ Other	marker & Reclamation Should by
	Date of work completion Complete by 11/15/97
Approximate date work will start	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.
	* Must be accompanied by a cament verification report.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and givertical depths for all markers and zones pertinent to this work.)	July 7-8 197
1- Pull out of Hole w/ 23/8 Tbg.	
2- Set cast Iron Bridge Plug @	1015 w/thq.
3- Black Hole dry W/ compressor was	ter blown into truck & taken to
Envirotech Service / Blue Bench di	sposal Puchesne, utah
4- Fill Casing to Surface w/ 22.5	
C. In Il be Submitted	when work completed
Sundry will be Submitted	
Mike Kaminski from Price B.L.M. or	1site during operations
13.	
Name & Signature: Clifford Murray alifford Mung	Title: Agent bate: 9-25-97

This space for State use only

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

997		<u>Ç</u> .	INVOICE			
& N D 5		Bowman Read	I <b>g Mix, Inc.</b> Telephone	E BOY OOOO		
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1 Ft of Surface		id By: Jan	Pan			
mike Kamir	isk.	)	A Company	42.00		
withessed.						